



# DX NEWS

*the magazine of the  
National Radio Club*

SINCE 1933

Volume 49, Number 4 Monday, November 2, 1981

## STATIC FROM HQ

This issue is being assembled a day earlier than usual by just one of the LFD. Jerry is gone for the weekend so this 40 pager is the work of one person. So, if there are any mistakes, blotches etc., the buck stops with Dick this week!

Inside you will find the newly revised NRC Reprint List for 1982. While there is still plenty of time, it still is worth mentioning that right now we can give good turnaround time on publication and reprint orders. As the holiday season nears, the postal system will cause delays and we will once again observe a moratorium on all mailing from between December 15th and January 1st to eliminate the possibility of orders being lost during the rush, as in past seasons. (Now that IS a run-on sentence!!)

Ernie Cooper reminds us that contributions, additions, corrections, etc., to the Frequency Check List should be sent to Joe Fela, 100 Robert Place, South Plainfield, NJ 07080. That list is currently being compiled and will be released shortly. Also Ernie advises that the recent Larry King List (last issue) needs the following updates: Add KGJM-1240 Globe, AZ, WLAC-1510 Nashville, TN and delete WKDA-1240 Nashville, TN.

Don Erickson writes advising the new WTH will be shortly available - see the bottom of page 32 for more details. Also Don advises that he has expanded his line of books covering radio, electronics and computer hobbies. A BASE to Don at 6059 Essex St., Riverside, CA 92504-1599 will bring you a complete listing of available publications.

No IDK this issue - per a phone call from Chuck Hutton, he only had four items as of his typing deadline last week. Surely conditions are better than what we've seen in that column in the past few weeks!! If you hear DX, contribute to the respective columns. This is YOUR club!!!

Ray Arruda advises that once again he will host a Thanksgiving get-together at 47 Burt Street, Acushnet, MA 02743. Date will be November 28 (Saturday), from Noon to 6PM. Write Ray for more details. Also don't forget the CADX thing in Chicago over the New Year's holiday period. Details on page one of last issue.

## CPC TESTS

Three Tests this week - things are starting to shape up for this season. Dave Schmidt had a most appropriate idea which we immediately will announce: a one year's subscription to DX News will be awarded to the member who arranges the greatest number of **SUCCESSFUL** tests this season, from 10/1 to 4/15/82. So let's see some activity out there!!!

11/3 WKLB-1290 Manchester, KY 0530-0545 EST using 2500 watts non-directional. Tues. Reports to Larry Barker, WKLB Radio, Manchester, KY 40962. Arranged by Wheeler Conover/NRC

11/28 WGCH-1490 Greenwich, CT 0000-most of AM EST, using tones and OC with QSL, as many ID's as possible. This is a PoP test and they will be using 1000 watts. Reports to: Frank Hajdu, WGCH Radio, 1490 Dayton Ave., Greenwich, CT 06840. If problems develop, then reschedule date will be 12/5. Arranged by Chris Lucas/NRC.

12/7 WHEO-1270 Stuart, VA 0100-0130 EST using popular music w/ID after each song, also 1000hz. tone every 7 minutes. Reports to: G. Lemont Bryant, CE WHEO, Route 1-Box 24, Stuart, VA 24171. Arranged by Mike Knitter/NRC.

## LOOK INSIDE

Domestic DX Digest.....	2
British Isles - MW Scene.....	6
NRC Reprint List (pullout).....	11

Summary of UNreported Stations.....	26
Summary of UNreported, Since 1974.....	27
Musings of the Members.....	33

**THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB**

Next week we are promised a Contest announcement by new editor Rich Leyvin!!

# ② DOMESTIC DX DIGEST

DAVE SCHMIDT  
62 CHELWYNNE RD.  
CASTLE HILLS  
N24 CASTLE DR 19730

Here is the official column which asks the question, does anyone have the phone number of Hal A. Krafters? When sending your items in, please use one side of the paper, S/LT, type or neatly write, skip a line between items. Those simple rules help a lot when it comes time to put the column together each week. Deadlines: SATURDAY! And, here we go:

## SPECIAL:

**KSD/KSD-FM**

690 KRMX CO PUEBLO - Ex-KAPA, still Spanish/mexican, using "Radio M-Z" slogan. (WH-CO)  
 850 WFVR CT RICHFIELD - Still not on the air as of 10/16. CF has been issued for new tower site. (WIS-CT)  
 1050 WPAU MI ANN ARBOR - Now using a Standard type format, lots of Sinatra song, cropping MoR, still running Univ. of Mich. football. Noted 10/8, 1850. (IH-MI)  
 1080 WTCG CT NEWPORT - Now running the AM RKO telephone-talk show, via satellite. Few calls noted. (WIS-CT)  
 1170 WRTT CT VERNON - Still not on the air as of 10/16. (WIS-CT)  
 1190 WSCM NY COBLESKILL - Note call, this new station now on the air, noted 10/12 1805-1816 s/off w/SSB w/WLIB partially nulled. Add.: 1 Elm Street, 12043. Format appears to be R&B as noted w/Donna Summers' "On the Radio." (WIS-CT)  
 1280 WIPC PL LAKE WALES - Noted w/s/off 0037-0039 on 10/13 following late ending Miami football game, s/off mentions 1900 non-DA day, 500 watts DA night, to return 0500. (DH-DE)  
 KBRQ CO DENVER - Format: CWM, "Radio Ranch" slogan. (WH-CO)  
 1360 XLFY AZ GLENDALE - Format: STD, ex-KRUX. (WH-CO)  
 1490 KRTS CO MANITO SPRINGS - Format: MYL, as of 9/1, ex-KIIQ. (WH-CO)  
 1570 WCRL AL ONEONTA - 10/15 1914-1916 CF for 2500 watts now on, noted w/s/off w/Dixie, power mention, on top. (WIS-CT)  
 1590 WJLW PA CHESTER - Returned to the air 10/16 w/these calls. Format ROK, ID's as "The Star Station." Uses the new satellite audio featuring rock music. Sched.: 0600-0000. (DS-DE)  
 WSMH HI HADHUHA - Noted on 10/11 0525-0600, running Larry King til 0530, went into music til 0555 then short religious program. Per call to station, now running 24 hours (don't know about WH), add.: Box 540, 03061. Temporary power is 1250 watts til repairs are made on the transmitter. (WIS-CT)

## FREQ. CHECKS:

1st SAT. . . WWDY-1520 0530-0540 w/1000 hertz TT. (JP-ON)  
 WVKY-1270 per list w/600 hertz TT. (JP-ON)  
 WDOO-1510 per list w/500 hertz TT. (JP-ON)  
 WKSK-5800 per list w/1000 hertz TT. (JP-ON)  
 WPJT-1590 not heard. (JP-ON)  
 WPXR-1470 not heard. (JP-ON)  
 2nd MON. . . KOLV-1240 per list. (WH-CO)  
 2nd TUE. . . WRAA-1550 w/1200 hertz TT per list. (DS-DE)  
 WBNJ-1240 w/1000 hertz TT per list. (RA-MA, DS-DE)  
 WNTD-1380 w/instr. oldies 0026-0030, new. (DS-DE)  
 WPEX-1490 w/1000 hertz TT 0133-0134, new. (DS-DE)  
 2nd SUN. . . WMDV-1360 not heard. (RA-MA)  
 3rd FRI. . . WIAM-1400 tentative w/1000 hertz TT, 0106-0107. (DS-DE)  
 WPTR-1450 w/1000 hertz TT, many ID's, 0101-0113. (DS-DE)  
 4th MON. . . WMBT-1550 0130-0150s w/MoR music. (JP-ON)  
 WBGB-1490 w/1000 hertz TT per list. (JP-ON)  
 WVPC-1530 w/1000 hertz TT, jingle ID's, per list. (JP-ON)

## MIDDAY - MIDNITE:

880 WRFD OH COLUMBUS - 9/27 1944 s/off w/mention of "Buckeye Medals" and "Columbus 88." (BM-WI)  
 900 WWHO WI WIS, DELLS - 10/11 1857 noted w/ID. (BM-WI)  
 910 WJOW TN JOHNSON CITY - 10/11 2020-2035 great program of old-timey bluesgrass and gospel music, ad for Oak Hill Funeral Home and Cemetery, couple of ID's, w/WOKE nulled. (RA-MA) (JP-ON)  
 970 WWTI NC CANTON - 9/26 1945 weak w/ID, apparent s/off w/WFUN/WAYE.  
 980 CKRM SK REGINA - 9/21 1923 briefly noted w/ID. (BM-WI)  
 1000 WTAK AL HUNTSVILLE - 9/26 1950-2000 weak in WOFL null w/Top 40 music, ex-WVOV. (JP-ON)  
 1110 WTNC NY WARICK - 10/6 1805-1811 ID's, music on Gary Nauheim program w/WUHN/WHAR. (RA-MA)

# ③

1110 WHRN MA PITTSFIELD - 10/8 1810-1817 weak w/local news w/WHAR/WTBQ ID's as "Radio One." (RA-MA)  
 WHAR PA MORRISTOWN - 10/8 1814-1830 atop w/fair signal after WUHN and WTBQ s/off w/Pop music, spots and "Suburban 1-11" ID's, right up til 1830 s/off w/ISSB. (RA-MA) My closest unheard. (TF-PA)  
 1190 WBDY VA BLUEFIELD - 9/29 1905 weak w/WOWD w/concert promo. (JP-ON)  
 1230 WXLT GA DUBLIN - 10/10 1906 nice surprise w/High School Football promo, spot for Drive-in. (KVI-GA) Welcome back....(DS)  
 1250 WARE MA WARE - 10/4 1800 oldies request show, Mt. Tom Ski promo, way atop freq. (TF-PA) Shouldn't be....(DS)  
 WLEM PA EMPORIUM - 10/6 1824-1826 "To Your Health" program, about hormonal changes and depression, followed by mood music, sponsored by local hospital and WLEM. (TF-PA) How cum you always hear things like THIS! Does working on the railroad effect radio signals this way? Hi! (DS)  
 WPEL PA LITTLE ROCK - 10/9 2055 "The sound of the city, EOKY" ID then into Pop music, WTMJ nulled. (NAP-AL)  
 1370 WZYQ MD FREDERICK - 10/10 1815-1830 Rock music, Z-104 ID's, quick s/off at 1830, invited to tune to Z-104 FM. (TF-PA)  
 WGOH KY GRAYSON - 9/30 1930-1940 strong w/WSPD w/CW music then "Community Bulletin Board" program. (JP-ON)  
 1380 WMLP PA MILTON - 10/4 1750 ad for Short-Stop Mini market, weather, Top 40 music, verie back in 4 days! (TF-PA) I hope someone steals your LW and sells it for scrap! #8#41 (DS)  
 1410 WHAG MD HALFWAY - 10/3 1825 country program then s/off, inviting to tune to WQCM-97. (TF-PA)  
 1470 WNAU MS NEW ALBANY - 10/11 1940 in mess w/male giving ID, P O Box #, city. (NAP-AL) I've heard a mess before, too, also cleaned up a few! How 'bout you? (DS)  
 1480 WCIN OH CINCINNATI - 10/11 1904-1913 weakly atop w/news w/female, promo for program comments, then sports talk show. (DS-DE)  
 1490 WMRB SC GREENVILLE - 10/8 1919-1926 xlnt w/WYL, CBS sports. (KVI-GA)  
 1530 KAWS TX HEMPILL - 10/9 1945 s/off w/mention of 1000 watts. (BM-WI)  
 WJDM NJ ELIZABETH - 10/10 1812 end of sports show, part of s/off but lost to WRCP-1540 splash, 1st time here. (TF-PA)  
 1540 WRCP PA PHILADELPHIA - 10/8 1350 noted off this afternoon, leaving just a WAMS/WJBR spur. (DS-DE)  
 1560 WXTR MD LA PLATA - 10/12 1831 s/off noted mostly w/WQXR w/rock (DS) music, "Your Favorite Music", invited to tune in WXTR-FM.  
 1570 WHII MS RENSSLAER - 9/24 1959 ID noted in passing. (BM-WI)  
 WTRB TW BAY SPRINGS - 10/9 1929 atop w/s/off. (BM-WI)  
 RIPLEY - 10/9 1930 clear s/off w/many mentions of Ripley, 1000 watts, etc. (BM-WI)  
 1580 WUIV NC ICARD TOWNSHIP - 9/29 1930 weak w/het w/MoR music then s/off w/ISSB. (JP-ON)  
 1590 WHTR WI TWO RIVERS - 10/8 1915 s/off w/"Have a beautiful evening" mentioned. (BM-WI) Yeah...I'm workin' then (DS)

**MIDNITE - MIDDAY - MUNDANE:**

640 WGTO PL CYPRESS GARDENS - 10/12 0009 xlnt on ET, ID mentioned SO kw. (WPI-DO) Stayed home again. (DS)  
 570 WHAX SD YANKTON - 10/6 0120 noted w/weather, ID. (RH-CO)  
 620 WMJB PA GREENSBURG - 10/17 0100 on top w/ID for AM/FM, Mutual news, Larry King. "Westmorelands Favorite Stations", evidently AM now. (DS-DE)  
 680 WCRM MD BALTIMORE - 10/12 0357 Contest info., ID repeated several times. (BM-WI) And several times-FM! (DS)  
 690 KGUY KS COFFEEVILLE - 10/8 0111 noted w/s/off. (RH-CO)  
 730 CHYRT ON LEAMINGTON - 10/3 0630 rock music, ID, signal very dominant this AM. (TF-PA)  
 790 WNWS PL S, MIAMI - 10/16 0000 ID after sports talk show then female w/news, ID for "South Miami/Miami." (DS-DE) 10/12 0132-0140 w/variety TT topping WTAR, s/off w/no ID, per Arruda tip. (WIS-CT) 10/12 0127-0134+ fair on ET w/TT/OC, ID noted 0129. (RA-MA)  
 920 WBBS NC BURLINGTON - 9/27 0640 fair in mess w/Gospel music. (JP-ON)  
 WLIV TN LIVINGSTON - 9/27 0705 call surfaced o/mess. (JP-ON)  
 940 WINZ FL MIAMI - 10/11 0724-0730 good w/female anch'r, Newradio 94 ID, CBS sports, until WMAZ power/pattern change. (KVI)  
 950 WLW IN INDIANAPOLIS - 10/11 0700 s/on xlnt w/"Christian Voice of Mid America" ID, church calendar, gospel music. (KVI-GA)  
 960 WFIR VA ROANOKE - 10/12 0135-0146 loud w/Top 30 show, many jingle IDs, ads. (RA-MA) Nightly pest here. (DS)

260 WRC DC WASHINGTON - 10/12 0217-0232 good g/XCAP/WONZ w/Newstalk 98 ID's, talk-talk w/Sylvia Rhodes. (RA-MA) My closest unheard. (WPT-DC)

1070 CBA NJ MONCTON - 10/5 0430 s/on w/fishing news from the Maritime Provinces, surprising catch. (DLA-MD)

1150 WQMR ME SKOWHEGAN - 10/4 0606-0618 MoR, Promo for "Q Line", PSA, then faded, thought they were 56 watts PSA? (TF-PA)

WBGR NC GOLDSBORO - 10/4 0556-0606 weak w/s/on, local news. (TF-PA)

WDEL DE WILMINGTON - 10/5 0105 s/off, xlnt signal for my first DE station. (BM-WI) My closest unheard. (Joe Jones-DE)

1230 KHOW IN TERRE HAUTE - 10/12 0210 ID dug out of mess after many tape replays, very weak. (BM-WI)

1240 KVOS NY LIBERTY - 10/12 0610 ID for AM-VH Stereo, weather then ad, weak but audible. (TF-PA)

WBNJ NJ BRIDGEPORT - 10/13 0006 s/off w/ID, Lord's Prayer then right into 2nd Tuna. f/c w/TF till 0020 then carrier off, weak, confirmed via phone call. (RA-MA) A phonny?? (DS)

KPDT FL ST. AUGUSTINE - 10/13 0011 noted w/s/off w/vocal SS during WBNJ f/c. (DS-DE) You missa dis, Ray? Sh? (DS)

1260 WMMR CT WESTPORT - 10/3 0645-0652 MoR, promo for advertising, my former hometown station, hope they verify! (TF-PA)

KVSP NM SANTA FE - 10/12 0200-0230 noted on ET, TT w/many ID's. (WH)

WHTT FL MIAMI - 10/15 0028 nicely atop w/SS female vocal, ID's as "Radio Hit." (DS-DE)

1270 WFYL KY FULTON - 10/3 0700 weak in mess w/s/on w/Instr. BM, ment. of WFYL-FM stereo 99.3 then news. (JE-ON)

1290 WQIN PA LYKENS - 10/12 0602-0610 many ads (hefty profit center!), promo for Columbus Day Parade. (TF-PA)

WCCC CT HARTFORD - 10/12 0600 very UNdetailed s/on, just ID for AM-FM then into rock music. (TF-PA) Al la WPGC. (DS)

1300 WIBR LA BATON ROUGE - 9/24 0015 dominating freq. w/CW music, ID's, "I 13" slogan. (SK-PL)

WMTN GA MOULTRIE - 10/10 0633 male w/ID, weather then faded. (NAP)

1310 WGN VA NEWPORT NEWS - 10/11 0429-0433 briefly topping WNEL/WSSJ w/AM-FM ID's, Powerline program, not heard for a while. (RA)

WSSJ NJ CAMDEN - 10/12 0210 very strong w/"City Rhythm" ID's, soul/rock music, so evidently SSP!. (DS-DE)

1320 CPGM ON RICHMOND HILL - 10/4 0325 ad for "Yorktown Country Palace," many mentions of ON. (BM-WI)

WJAS PA PITTSBURGH - 10/11 0459 noted w/end of UPI Roundtable News program o/CPGM w/ID, news on hour. (RA-MA)

1330 WRIE PA ERIE - 10/16 0022 on top w/weather, ID then rock music. (DS)

1340 WOLD CO MARION - 9/27 0559 weak w/s/on w/mention of 102.3 FM (JE)

1340 WAIR ND WINSTON-SALEM - 10/12 0059 fair w/ID by female before fading into din. (WPT-DC)

KTOQ SD RAPID CITY - 10/12 0230 concluding ET w/TF. (WH-OO)

1350 KIDN CO PUERIO - 10/8 0205 very weak ID noted a/mess. (RH-OO)

WHIS VA NORPOLK - 10/11 0528-0531 weak u/WSLR ending taped Larry King show w/local weather ID, program notes, more news, "Newswradio 1350." (RA-MA)

1360 WABA GA BAINBRIDGE - 10/13 0047-0100 amazing signal w/ads, promos, CW music, ID on hour as "Professional Radio 24 hours a day" then AI news, no WDRC/WKAT. (DS-DE)

1370 KKRN PL Ocala - 10/5 0304-0314 ET w/sweep tones, ID anno'd POP. (KVJ)

WSPD OH TOLEDO - 10/6 0545 noted w/WFIA/WSAY w/CW music. (DLA-MD)

1390 WROA MS GULFPORT - 9/24 0034 poor-fair w/Musak type music. (SK-PL)

WMGT TN MOUNTAIN CITY - 9/27 0601 strong briefly w/s/on, ISSLB. (JP)

1400 WABY NY ALBANY - 10/4 0624-0634 ID then the National Perspectives Program, Way atop 1400! (TF-PA)

WYSL NY BUFFALO - 10/16 0019 noted w/promo/ID then into standards type music, format change again? (DS-DE)

1410 KQV PA PITTSBURGH - 10/10 0605-0637 very good off and on w/"News-Radio 14, KQV" ID's, news, weather, Mutual and CBS stuff, best ever heard in this area. (KVJ-GA) To best here. (DS)

WUNI AL AMARILLO - 10/8 0211 very strong w/rock music, ID. (RH-CG)

KDFN TX DENTON - 10/8 0210 "KDFN Reminder" then ad for shopping in Denton. (BM-WI) About as exciting as Pottstown! (DS)

1450 WJPA PA WASHINGTON - 10/3 0330 promo for NFL Football on Mutual then jingle ID. (JP-ON)

WCWS IL SPRINGFIELD - 10/12 0344 w/mentions of Springfield, then weather report. (BM-WI)

WGNS TN MURFREESBORO - 10/13 0155 on top for 10 seconds w/ID. (BM)

KOKO MO WARRENSBURG - 10/13 0158 clear w/s/off, #600 heard! (BM-WI)

WMFT PA S. WILLIAMSPORT - 10/11 0550 detailed s/on w/instr. SS, local news, weather then last 0600. (TF-PA)

1460 WWNG NY ROCHESTER - 10/4 0640 country gospel music, atop. (TF-PA)

GJOY ON GUELPH - 10/5 0230 ID, mention of ON sports. (BM-WI)

1470 WSRO MA MARLBORO - 10/10 0610-0620 at almost local strength u/o WSAN, ID's as Great Radio, ads. (TF-PA)

1480 WGIN OH CINCINNATI - 9/26 0045 noted w/ID. (BM-WI)

1500 KDPN MD DONIPHAN - 10/5 0717-0740 doing a job on WTOP/WLQV w/ gospel music, promo for PL Boys concert, no PSA power shown in log, on before sunrise? (JP-ON) So is WFRT! (DS)

UNID XERH, clearly heard ID's and on tape, anyone else note this one? (KVJ-GA) An Alfonso Bedoya fiendish plot! (DS)

1520 WKJB MI MUSKEGON HEIGHTS - 10/10 0800 noted w/s/on. (BM-WI)

1550 WMOD AL MOBILES - 10/12 0136-0143 tentative w/dial tone, very strong and DF fits past tests but NO ID's given. Heard last year doing this, but they ID'd then. (DS-DE)

WCTV IN NEW CASTLE - 10/12 0230-0245 Noted w/ET, music and many ID's, local WYNX was off. (KVJ-GA)

1560 WSDL LA SLIDELL - 10/10 0700 s/on by male w/legal ID, location repeated several times. (NAP-AL) Helps, doesn't it? (DS)

UNID 10/12 0125-0130 somebody here w/TF w/WQXR DC, off w/no ID, was this WBCW? (DS-DE) No, maybe it was WFRT....

1600 UNID 10/16 0030 caught CST time check then call mentioned, sounding like KTBC....but it's not, "It's 11:30 on your album station...", AC/DC rock music, gone by 0036, was there a format change at KATZ? (DS-DE) I'm taking UNID lessons from EDMUND! (DS)

#### THE "I LEFT MY HEAD IN SAN FRANCISCO" DEPT.:

WAYNE METENEY mentions that KDQQ-1150 has changed calls but he doesn't remember to what! Neat Wayne....must've been having some fun that nite! Next time, try listening to the radio and not the shoe polish can!

As ELK sez: "

**KY 58**

#### OUR CONTRIBUTORS:

NAP-AL	Neal Perdue, Falkville, AL	RP2900, BM2
WPT-DC	Bill Townshend, Wash., DC	TRF
WH-OO	Wayne Heinen, Colorado Springs, CO	URR/Loop
BM-WI	Bob Mielcarek, Milwaukee, WI	DX160, BM2
RA-MA	Ray Arruda, Acushnet, MA	HQ180, Looped
KVJ-GA	Karl Jeter, Decatur, GA	HQ150, Loop
RH-OO	Rob Harrington, Ft. Collins, CO	R1000, LW
TF-PA	Tony Fetherbert, Chalfont, PA	DX60, LM
II-MI	Ian Harris, Milan, MI	
WIZ-CT	The Wizard of Pequonock, CT	HQ180, Really Looped
DLA-MD	Denny Lee Atkins, Baltimore, MD	ICP 5900W, ICP2001
SK-PL	Steve Kamp, Hollywood, FL	
JF-ON	Jeff Falconer, Clinton, ON	
DS-DE	Contributors name misplaced!	HQ180, BM2

S-H in a week....or maybe sooner!

**WPOE**  
**AM 1520**

73's & Good DX!



1520 CHUM

#### BEETLE BABY



Via Ernie Cooper

# THE BRITISH ISLES-MW SCENE

BILL HALE

Before we get into the facts and figures of kilohertz and kilowatts, let's take a look at some other comparisons. In terms of area, the British Isles compare favorably with that of Michigan and Indiana combined - about 90,000 square miles. Population-wise, the United Kingdom of England, Scotland, Wales and Northern Ireland has approximately 70 million people. The highest concentration lies in the greater London area, with over 10% of the total. Several large metropolitan centers dot the country outside London. These include Glasgow, Southampton, Oxford, York, Blackpool, Manchester, Birmingham, Ipswich, Norwich, Bournemouth, Cambridge, Liverpool, as well as several others. Remember, here we have about 70 million people in an area the size of Michigan and Indiana, which contains about 12 million.

The medium wave broadcasting industry in Britain is just beginning to grow. The licensing is closely controlled by the Home Office (acting like the FCC), and due to the fact England must compete with the rest of Europe for frequencies all new stations are on other countries' "clear channels". The medium wave band here sounds like the shortwave bands in the States. That is, all those "foreign languages".

From the time when the "wireless" was first introduced in England up until the early 1950's, the British Broadcasting Company was the sole source for radio and television. But then, a secondary source of television was championed by the Conservative Party. The Labor Party was happy with the way things were and fought change, but the right-wingers won out and the Independent Television Authority (ITA) was formed. That takes care of TV, but what about radio?

That was taken care of in the early 1970's when the Independent Local Radio (ILR) branch of the newly-named Independent Broadcast Authority (IBA) was formed. Up until this time the only radio services available in Britain were provided by the BBC, several foreign stations and an occasional pirate station. These clandestine stations surfaced now and then, and soon literally sunk. Probably the most famous of these was Radio Caroline which was operated from a ship moored in international waters. When the ILR was created, an alternative was available, standards were raised and the listeners are the winners.

All of the BBC broadcast services were (and still are) free of commercial interruption. Public funds and license fees (paid for by the consumers) support the BBC effort. In reality, a "television license" fee pays for all services of the "BBC". Currently, this includes two television networks, four national radio networks, regional services in Scotland, Wales and Northern Ireland, and at present 22 "local" BBC radio stations. The BBC also has its own record label, plus publishes books and magazines.

Independent Television (ITV) is commercial, therefore you need not pay the license fee to watch that channel. But, since all TV sets are capable of receiving both BBC and ITV signals, one is compelled to purchase the license even though you're only paying the fee to watch BBC. Post Office vans (I don't know how they got into this) with monitoring equipment are constantly on the go checking for those who haven't paid the fee. The fine for not paying the fee, in most cases, exceeds the fee itself. The current schedule for television license fees is 7/4 per annum to cover a color set, 4/2 per annum for black and white. There is current talk of raising the fees.

On October 8, 1973, a new, legal radio voice was heard in Britain. London Broadcasting Company (LBC) went on the air providing news and information to the greater London area, completely independent of the BBC...an alternative voice. Eight days later, Capital Radio Limited began programming music and general features to basically the same coverage area. Since then, over 30 additional ILR stations have taken to the airwaves providing local communities with news, sports, features and look out - commercials! Coverage is restricted as most ILR stations operate with 1 kw or less. Most stations operate 18-21 hours-a-day, with eleven currently going 24 hours.

Independent Radio News (IRN), a wholly-owned subsidiary of the London news-oriented radio station, LBC, was established in 1973 to provide an independent source of news for the ILR stations. It is now in operation 24 hours-a-day, and used by all existing ILR stations. Three-minute "bulletins" are broadcast 16 times a day, with longer, 6-minute bulletins with a three minute opt-out presented during the broadcast day.



Sports also plays an important role in the ILR broadcast day. Depending on the season, football (soccer), rugby and cricket are featured regularly. Also, horse racing results are aired to an always eager betting audience. Saturday afternoons are filled with sports, more so in the fall, winter and spring.

Each ILR station has an AM and FM (known as VHF here) facility, with 100% simulcasting. The coverage areas are engineered to duplicate one another. Many ILR AM stations employ directional patterns (same pattern day and night). In cases such as this, the FM antenna site is in the middle of the AM coverage area overlapping as much as possible. There

is speculation the Home Office will approve some non-duplication, but because of this idea of identical coverage areas, it is unlikely on a grandiose scale. The first facilities which may provide separate services is Marcher Sound/Saint-Y-Goros at Wrexham and Dinas in North Wales. When these proposed ILR stations go on the air in early 1982, English language programming is proposed on AM, while Welsh language broadcasts would go out on FM. Wherever there is an ILR station, they outrate the BBC. The local listeners are receptive to the idea of localized service, and are loyal. Estimated cumulative audience of all ILR stations is 12 million per week. Not bad for a bunch of basically "graveyard" stations. Advertising is limited to 9 minutes in any one hour. Commercials are a blend of about 70% local and 30% national in origin.



The Home Services of BBC sound radio are divided into four national UK services plus regional services for Northern Ireland, Scotland and Wales, plus local radio services in England. **Radio 1** is predominantly a rock-and-pop music outlet. The network also broadcasts and evening programs of interest to young listeners on the half hour and the extended Newsmat program comes out twice a day on weekdays. Radio 1 is transmitted on 1053 and 1089 KHz nationally, plus 1405 KHz in Bournemouth. The schedule opens at 0500 with two hours of simulcast with Radio 2. From 0700 to closedown (sign-off) the programming is generally geared toward the under 35 audience. Currently, "new wave" music, American hits and oldies dominate the daytime playlist. Not limited to pop music, several hours of jazz also fill the Radio 1 schedule. Discussion and interview programs also are on at night. On Thursday and Sunday mornings Radio 1 airs a very popular show called "Junior Choice". No matter how popular the show is here in Britain, I doubt if any program director in America who values his job would conceive such a show. The announcer, Tony Blackburn, reads dedications from, in most cases, very youthful listeners who have written in. Occasionally they send in a cassette with their names saying "hi" and doing the dedication themselves. Tony has an imaginary dog named Arnold who "barks" (and very badly, I might add) on cue. Of course, Arnold is on tape. No real dog in their right mind would be associated with this charade. Blackburn, by the way, was a popular disk jockey on Radio Caroline. Another popular show on Radio 1 is called "Jimmy Savile's Old Record Club". Jimmy is the Dick Clark of the UK. The show is aired Sundays from 1700-1900. Two year's hits are featured each week. The records will be the Top 10 of, say 15-25 years ago and 1-15 years ago. It's done live with a studio audience. Sort of a "British Bandstand". Closedown for Radio 1 is midnight Monday through Friday, 1930 on Saturday and 2200 hours on Sunday. About 21 hours per week of Radio 1 programs are transmitted on stereo VHF, of which the channel is shared with Radio 2. **Radio 2** is Britain's only national radio service on the air 24 hours a day. The network broadcasts popular music, sports reports, comedy shows (featuring well-known entertainers, panel games and quiz shows), news bulletins are broadcast on the hour and the network features interviews with leading members of the community on a late-night arts program. Radio 2 is heard nationally on 693 and 909 KHz. Play-by-play of sports events is usually restricted to medium-wave, with regular Radio 2 musical programs going out on 909 and 1000. They even have a "Trucker's Hour" at 0100. It's Britain's answer to "Interstate 70" at any of the popular all-night shows dedicated to the truckers of America in most of the U.S. clear channels. But, as the name implies, it only lasts an hour. And it's only on Monday through Friday. Evidently the BBC doesn't think the 18-wheelers for articulated lorries as they're called here) roll on weekends. Country music is making inroads in England. But as yet, a service or station cannot commit more than a few hours a week to C & W music. One feature on Radio 2 which intrigues me is programmed on Ed Stewart's afternoon show. It's called "Family Favorites", wherein Ed calls a counterpart of an Australian or New Zealand station. Good wishes are passed back and forth between families who have written in and requested to be featured. Since there is a 10 hour time difference between London and Ed's contact down under, I really wonder how many listeners there are in Melbourne or Auckland and hear their greetings. Another feature which I like is called "We Are They Now?". It starts out with the tune "We'll Meet Again" (remember that from "The Damned"?) and the on-air personality reads a letter from a listener requesting that a long-lost relative or old friend get in touch. Being a national network, hundreds of parties have been reunited. It has a nice touch, and I like it. Basically, Radio 2 is for the more mature listener, or at least those with a more mature attitude toward music and lifestyle. Except for the 21 or so hours mentioned earlier that Radio 1 takes over the shared VHF channel, Radio 2 simulcasts in stereo. There are occasions when Radio 2 has a sports broadcast and the normal music program goes out on VHF. Then, and only then, are there three services on these frequencies.



**Radio 3** broadcasts over 100 hours a week of serious music. The network also presents the dramatic arts and commissions new works for radio. There are programs on poetry, science and philosophical subjects together with information and criticism of the fine arts. Radio 3 is primarily a VHF service with limited medium wave outlets on 1197 and 1215 KHz serving major centers of population. When cricket is carried on medium wave, regular programming continues on VHF. The normal schedule is 0615-2115 Monday through Friday. On the weekends, sign-on is one hour later.



**Radio 4** is the main service of news and current affairs, with news bulletins on the hour and major current affairs programs four times a day on weekdays. In addition Radio 4 reports on the affairs of Parliament, broadcasts plays, comedies, quizzes, concerts, serials and readings from literature, and has talks and documentaries, consumer affairs, religious, wildlife, sport, science and gardening programs among a widely varied

output. Radio 4 is broadcast on the low frequency of 200 KHz throughout the United Kingdom and on VHF in England, South Wales, the Isle of Man and the Channel Islands. Low-power medium-wave transmitters are used for areas where low frequency reception is difficult, notably the West Country, Newcastle, Carlisle, Northern Ireland, Aberdeen and central London. Many of the drama, serial and concert programs are transmitted in stereo on VHF. In Wales, Scotland and Northern Ireland many of these programs are carried on the respective national VHF networks of Radio Cymru, Radio Scotland and Radio Ulster. The VHF channel of Radio 4 carries a number of alternative programs which are educational in nature.

The four networks of Radios 1, 2, 3 and 4 between them cater to a wide range of needs and tastes on a United Kingdom-wide basis. What they cannot do is fulfill the special needs of the national regions or the local areas. The regional networks and local radio stations provide these services.

Radio Ulster is the regional service of Northern Ireland broadcasting on 1241 KHz both from Lissagarvey and Londonderry. Joining Radio 4 for news and features during the day, Radio Ulster joins Radio 2 from midnight to 0600.

Radio Wales is the English language service for Wales and is broadcast on 892 KHz. Radio Cymru is the Welsh language service and is broadcast on VHF only. The two services generally join for evening transmissions. Radio Wales duplicates Radio 2 from 2300 to 0630 and from 1500 to 1645, while it joins Radio 4 at various other times during the afternoon.

Radio Scotland transmits on 810 KHz. Daytime and evening service is of local origin, intermittently joining Radio 4 for news and features. There are four sub-services of Radio Scotland transmitted on VHF: Radio Aberdeen; Radio Orkney; Radio Highland; and Radio nan Eilean. Depending on the service area of these stations, some or most of the programming is in the Gaelic language.

BBC Local radio has been in operation for several years. Originally, the stations were VHF mono operations. Later, medium wave services were added and the FM stations are being upgraded to stereo. New services are introduced as stereo VHF with AM sister stations. There are currently 22 BBC locals, with more planned. Generally, BBC local stations are low power stations with from 250 to 5000 watts. There are a couple of exceptions with Radio London having 50 Kw and Radio Birmingham with 7 Kw. BBC locals program a combination of local news and features, along with one or more of the national networks. A rule of thumb is to have locally-produced programs in the morning and evening drives and at noontime, joining the national net in between and from around 1800-0600.

Two more stations bear mentioning here are the BBC World Service on 646 and 1296 KHz. The programs which are heard on these medium wave frequencies here are the same as on their shortwave facilities. 646 KHz comes from Coventry and 1296 KHz is transmitted from Orfordness. It is not the intent of these services to reach the U.K. audience. New facilities are now being built for the World Service AM stations which will make it more difficult for some areas to receive this service. The Voice of America uses 1296 KHz for one hour daily from 2100-2200 GMT.

Signals from the continent are prevalent during the day as well as night. Stations from Switzerland, Ireland, Belgium, Spain, Germany, France, Holland and Scandinavia are regular daytime catchers. Several African stations, Luxembourg, East Germany, Czechoslovakia, Poland, Russia and Italy plus others make the dial interesting at night. I might add that Radio Luxembourg, with one million, three-hundred thousand watts on 1440 KHz broadcasts eight hours every night from 1900-0300 to the British audience. Their studios and transmitters are in the Grand Duchy of Luxembourg, with business offices in London. They even have a couple of American disk jockeys working nightshifts.

Wavelength, rather than frequency, is the popular way stations designate their dial position in Europe. Frequencies are given as an afterthought. Jingles and logos commonly include the call and "two-five-seven" or "J-O-1".

Speaking of "calls", the general rule for the BBC locals stations is "Radio" followed by the city, as in "Radio London". The ILR stations generally take their name from some geographic significance such as a river as in "Radio Orwell", or the licensee's name as in "BBC Radio".

What about 9 KHz spacing? I haven't had much difficulty separating the frequencies with my TRF or the car radio. The signals are generally crisp and clear, but lack the extra "drive" heard in the States. Obviously transmitters are not tuned to peak over 100K.

UK'ing Great Britain should prove to be no problem, especially from an East Coast location not having a local station near one of the "split" frequencies. However, trying to differentiate between the many transmitter locations broadcasting on like frequencies would be virtually impossible.

My thanks to Jon Tarrant of Ringwood, Hampshire, Ken Brownless and the Medium Wave Circle, the BBC and IBM for providing information contained herein. Times, unless otherwise noted, are local. England, normally aligned with GMT, observes "summertime" (Daylight Saving Time) from the Sunday closest to March 22nd to the Sunday closest to October 22nd, so is naturally one hour ahead of GMT during that time. The continent "falls back" to regular time the last Sunday in September. Cheerie!

MAP REF	BBC	TRANSMITTER LOCATION	BBC NATIONAL OR REGIONAL SERVICE	BBC LOCAL SERVICE	LFW SERVICE		NOTES
					1035-Warblawnd (.5 kw)	-Westsound (. )	
114	1	Aberdeen					
	2	Ayr	901-Radio 4 (2 kw)				
	1	Barnstaple	1053-Radio 1 (1 kw)				
	2	Barrow	693-Radio 2 (1 kw)				
	1	Belfast	1053-Radio 1 (1 kw)				
	3	Benthill	693-Radio 2 (1 kw)				
	4	Birmingham	1053-Radio 1 (2 kw)				
	5	Blackburn			1058-Radio Birmingham (7 kw)	1152-BBBB (.8 kw)	
	6	Bournemouth			855-Radio Lancashire (.5 kw)	828-Two Counties Radio (.5 kw)	
	7	Brighton	1053-Radio 2 (1 kw)		1359-Radio Solent (.25 kw)		
	6	Bradford	1053-Radio 1 (2 kw)			1278-Pennine Radio (.1 kw)	
	8	Bristol	693-Radio 2 (1 kw)			1485-Radio Bristol (5 kw)	
	9	Brookman's Park (London)	1059-Radio 2 (140 kw)			1498-Radio London (50 kw)	
			1059-Radio 1 (50 kw)				
			1215-Radio 3 (50 kw)				
			693-Radio 2 (50 kw)				
			810-Radio Scotland (100 kw)				
			1053-Radio 1 (20 kw)				
			1215-Radio 3 (20 kw)				
			1197-Radio 3 (2 kw)				
	10	Burghhead					
	11	Cambridge					
	8	Cardiff					
	12	Carlisle					
	13	Clevedon					
	14	Coventry					
	15	Derby					
	16						

## NRC REPRINTS LIST

NOVEMBER, 1981 - SUPERCEDES ALL PREVIOUS LISTS AND ORDER FORMS WHICH  
SHOULD NOT BE USED. NUMBER OF PAGES INDICATED BY ( ).

## ANTENNAS

- A1 HIGH PRECISION DIRECTION FINDING ON THE BCB, Parts I & II. G.P. Nelson. Part I uses Maxwell's equations to derive the equations describing MW direction finding with a loop. Part II is a non-technical discussion of how a loop antenna operates and how to get the most out of a loop. (12)

A2 A ZERO SHARPENING DEVICE FOR A BCB LOOP. T. Holmes. If you're having trouble obtaining sharp nulls with a standard loop, this simple device may help. The 1965 forerunner of the Pattern Controlled Loop. (1)

A3 A VERSATILE LONGWIRE ANTENNA COUPLER, R. Foxworth. How to get the maximum amount of signal from your longwire. (3)

A4 ROLL YOUR OWN (LOOP THAT IS...), D. Fischer. Loop won't tune the entire band? This article describes what's wrong and how to cure it. (3)

A5 LOOP DISTORTION: WHY GET SKEWED? G. P. Nelson. Discusses origin of distorted loop patterns. Unique technical material not available elsewhere; a must for those interested in designing MW loop antennas. (4)

A6 PATTERN CONTROLLED LOOPS, Parts I & II. G. P. Nelson. Introduction to theory and practice of pattern controlled and cardioid loops. (9)

A7 THE FLORIDA BEVERAGE, J. Conrad. Jerry describes the fantastic results with a Beverage antenna and compares it with others he has used. (3)

A8 THE CARE AND FEEDING OF A WAVE ANTENNA, J. Starr. Practical construction hints for a Beverage antenna. (3)

A9 DOWN TO EARTH GROUNDS, G. P. Nelson. Hints on making low resistance ground connections for terminating a Beverage antenna. (3)

A10 A CALIFORNIA BEVERAGE, Fr. Jack Pejza. Another article describing the spectacular results obtained with a Beverage. (2)

A11 THE SUPER SIGNAL SNATCHER, D. Fischer. Article describes the theory of the Beverage antenna. Includes equations, tables, many diagrams. (14)

A12 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA, G. P. Nelson. Helpful information for those doing horizon blockage experiments with a loop antenna. (4)

A13 USING TWO ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERN. M. Levintow. Shows and describes a simple way to skew your loop's pattern to effect a null that will permit reception of a station impossible to receive on a figure 8 loop antenna by itself. Reading of reprints A5 and A6 are a requirement for understanding this technique. (3)

A14 A NEW MEDICAL BREAKTHROUGH FOR LONGWAVE TA'S, C. Clayton. Instructions on how to build an inexpensive loop antenna for LW. (1)

A15 REVIEW OF THE DYMEX DA-3 ANTENNA. Pete Taylor, with notes by R. J. Edmunds. Evaluates this recent development in MW antennas and its application to MW DXing. (4)

A16 MORE ON BEVERAGE ANTENNAS, Wes Boyd. An update on Beverage antenna theory and application. (2)

A17 AN FET LOOP PREAMPLIFIER WITH COAXIAL OUTPUT, James Hagan. This article describes a highly effective balancing amplifier for the air core loop, useable with unbalanced receiver inputs, and featuring power tapped from the receiver and switchable attenuation controls to prevent over-loading. (4)

Continued on page 23..

- A18 A WHIP ANTENNA COUPLER FOR USE WITH PORTABLE RECEIVERS. J. Hagan. A simple construction project to inductively couple a whip antenna to the internal ferrite rod in many portable multiband receivers. (5)
- A19 NEBE: THE NEBRASKA BEVERAGE. D. Fletcher, C. Dabelstein, R. Mitchell. A discussion of the Nebraska Beverage and the results of its use. (7)
- A20 THE LSCA-1. Ron Schatz. Complete construction plans for building the Loop Sense Cardioid Array. NOT A PROJECT FOR BEGINNERS! This antenna system is complex to build and operate. Should yield a unidirectional receiving pattern if operated properly. (10)
- A21 A GOOD LOOP IS EASY (AND CHEAP) TO MAKE. J. Tull. Construction plans with photographs for a simple loop amplifier system. (3)
- A22 THE WEDGE ANTENNA. Charles Wolff. Plans to construct this alternative to the 4-ft. box loop for those with limited space. (6)
- A23 A STURDY AND EFFECTIVE FLOOR STAND MOUNTING ARRANGEMENT FOR LOOP ANTENNAS. M. Maloney. Article on mounting air core loop antennas. (2)
- A24 A LARGE APERTURE FERRITE CORE LOOP ANTENNA FOR LONG AND MW RECEPTION. J. Hagan. Details and theory for the construction of this new type of DX antenna. (14)
- A25 A NOVEL APPROACH TO BUILDING YOUR OWN BCB LOOP. M. Maloney. New ideas for improvements in ease of operation and sturdiness of loop antennas. (4)
- A26 AN AC POWER SUPPLY FOR THE PET LOOP AMPLIFIER. J. Hagan, R. Edmunds. Tired of the high expense and short lifespan of batteries for your amplified loop? Here is a simple plan, complete with schematic, to adapt your loop amp to wall current. (1)
- A27 SOME THOUGHTS/MORE THOUGHTS ON BEVERAGE ANTENNAS. J. Clements and Chuck Hutton. Originally two articles, this report gives some valuable additional thoughts on construction and use of the Beverage antenna. Goes well with A7, A10, A11 and A16. (4)
- A28 ANALYSIS OF THE BEVERAGE ANTENNA. C. Hutton. This lengthy article is divided into two parts, the first giving basic theory of the Beverage antenna and the second dealing with two wire phased antennas. Filled with calculations and features 35 illustrations. (26)
- A29 HARLEY LOOP ANTENNA. Harley Steward. This 18-turn spiral loop is very directional. A detailed drawing and construction hints are given. (1)
- A30 REMOTELY TUNED DIRECTIONAL LOOP ANTENNA. E.L. Cummins. Shows how the limitations of a very poor shack, in this case a mobile home, can be overcome by use of an outdoor, remotely controlled, loop antenna. Mr. Cummins gives many practical points for others wishing to experiment with remote antenna installations. (11)
- A31 SIMPLE, CHEAP AND EFFECTIVE PRESELECTOR-LONGWIRE TUNER-AMP. B. Sherwood. This construction project will result in a device which not only will tune your longwire, but will amplify the signal as well. Schematic and brief instructions are given. (4)
- A32 RADIO WEST LOOP VS. THE SW-2. Mark Connelly. Two commercially available ferrite loop antennas are tested side-by-side for sensitivity, frequency range, nulling, tuning sharpness/selectivity of preamplifier and ease of operation. (2)
- A33 ANTENNAS FOR AM BROADCASTING. Steve Kennedy. Gives a brief history of early station antenna systems and explains what types are in use today. (4)
- A35 PRACTICAL PHASED BEVERAGES. C. Hutton. A detailed guide to constructing this superior antenna, which combines the best of both the loop and Beverage antennas. Includes some additional comments by Mark Connelly. (9)
- A36 LOOP-LONGWIRE COMBINED ANTENNA. P. Swain. A look at the use of "sensing" antennas for both DXing and direction finding. (3)
- A37 LOOP ANTENNAS--THEORY AND PRACTICE. Dallas Lankford. A technical discussion on loop antennas that surveys other available literature and develops guidelines for loop design. (9)

- A38 ANTENNA PHASING. Mark Connelly. A useful method of phasing non-identical antennas to aid in your Latin American DXing. (2)
- RECEIVING EQUIPMENT AND TECHNIQUES
- R1 SPURIOUS SIGNALS AND SPURIOUS SIGNALS REVISITED. R.J. Edmunds and G.P. Nelson. Many DXers hear stations on frequencies where they don't belong. Article describes causes and cures of spurious MW signals. Especially valuable if you have powerful locals nearby. (10)
- R2 SINGLE SIDEBAND RECEPTION ON THE BCB WITH MECHANICAL FILTERS. G.P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with MW interference--particularly in the presence of powerful local stations. Explains how to fit mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. This technique is widely used by many top MW DXers. (22)
- R3 SUBAUDIBLE HETERODYNES ON THE MW BCB. G.P. Nelson. Details on a technique which permits the MW DXer to detect and characterize signals too weak to hear at the time; also allows the DXer to count the number of stations on a channel; even if no programming is audible and permits direction finding on channels with several stations present. (6)
- R4 MODIFYING THE TRF. A compilation of seven articles for improving this fine portable receiver. Included are 'Modifying the Realistic TRF to 10 kHz Readout', 'Additional Tips for 10 kHz Readout' by Charles Barfield and Gerry Thomas, 'A Real External Antenna Jack for the TRF' by Chris Bobbitt and 'Modifying the TRF for SW-1 Use' by B. Sherwood are included as is 'Tilting T-Bar Antenna Tuner for the TRF'. Also, Chuck Hutton's 'Selectivity Modification' and 'S-Meter for the TRF' by Mark Connelly. (14)
- R5 THE TRACKING PROBLEM AND HOW TO CURE IT. G.P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW DX operation; this article describes one of the most common design faults and how to cure it. Very useful if you have strong locals. (4)
- R6 ELECTRONIC VERNIER TUNING. R. Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandspread. (4)
- R7 MECHANICAL FILTERS FOR THE HQ-180. J. Starr. Complete details on the conversion of the popular Hammarlund HQ-180A receiver to mechanical filter operation. Order with R2. (6)
- R8 REDOING OLDER RECEIVERS. C. Hutton. The author explains how he took a \$30 HQ-129X receiver and rejuvenated it to compare favorably with a Collina R-390 or R-388. An electronics background is helpful in implementing this article. (3)
- R9 RECEIVER/ACCESSORY INTERFACES MAKE SIMPLE AND CHEAP. R.J. Edmunds. A discussion of methods of interconnecting DX equipment. (6)
- R10 UP THE CARRIER. W. Bailey. Dig the weak DX out of the mud with this form of exalted carrier reception. (1)
- R11 PRECISION FREQUENCY MEASUREMENT. R. Schatz. How to use the frequency counter, an instrument now within the budget of the average serious DXer. (3)
- R12 THE PMS-3 FREQUENCY MARKER STANDARD. R. Foxworth. A review of operation, how to make the proper connection to the receiver, and some modifications incorporated by the author to permit full use of the unit's capabilities. (8)
- R13 SINGLE SIDEBAND RECEIVING ADAPTERS. T. Sundstrom. How to sharpen your receiver's IF bandpass using a B&W 370 receiving adaptor. (2)
- R14 REVIEW OF THE AUTEX Q-BOX. T. Sundstrom. Describes the uses of this new noise filtering device and its applications in MW DX. (3)
- R15 REVIEW OF THE HEATH SB-620 SPECTRUM ANALYZER. R. Foxworth. A comprehensive and detailed analysis of the unit's operation and uses as related to MW DXing. (32)
- R16 THE WORCESTER LONG DISTANCE AM RECEIVER. J. Worcester. A stage by stage description of the construction, theory and circuitry of a new type of AM DX receiver. (25)

- 14** R17 BUILD YOUR OWN AUDIO FILTERS, P. Sullivan. A somewhat technical theory and construction article on inexpensive homebrew audio filters for the DXer. (8)
- R19** A BRIEF REVIEW OF THE AUTEK QF-1 AUDIO FILTER, C. Hutton. A non-technical review of this new noise and interference filter. (2)
- R20** A FREQUENCY COUNTER FOR RECEIVER TUNING, R. Foxworth. A very thorough paper on digital readouts and what to look for in various models. Discusses technical theory and provides circuitry to enable the experimenter to build a counter for use as a "digital dial". Very thorough. (1)
- R21** FURTHER RECEIVER NOT RODDING HINTS, C. Hutton. Tell what you can do to further improve the performance of even the best commercial receivers, and some problems with the older receivers being used. (4)
- R22** THE LYONDTNE CRYSTAL WIRELESS RECEIVER, R. W. Tugge. The concepts of vintage crystal radio are incorporated in these detailed construction plans for a simple receiver, offered as a "sporting" alternative to modern receivers; yet it has the potential for real DX. (2)
- R23** DIVERSITY RECEPTION, C. Hutton. Using more than one antenna and receiver is an effort to reduce fading and interference on one frequency. This article deals briefly but concisely with the basics of "DR" and how it can be applied to Medium Wave DX. (1)
- R24** TIPS ON REMOTE TAPING, R.J. Edmunds. Are you going away during that rare DX test? This article explains several methods you can use to turn your receiver and recorder on while you are otherwise occupied. Useful with R9 and A26. (2)
- R25** STRONG SIGNAL HANDLING, C. Hutton. This technical article explains that sensitivity and selectivity are not the only, nor the most important, considerations in a receiver. (6)
- R26** RECORDING JACKS FOR RECEIVERS, Dave Arbogast. A simple step-by-step procedure is outlined for adding a tape jack to almost any receiver. (1)
- R27** TAPE RECORDING HINTS, Mark Connolly. A complete method of radio-to-tape interfacing for portable radios is detailed, complete with schematics and parts lists for construction. (4)
- R28** CONVERTING THE R-390A POWER SUPPLY TO SOLID STATE, Charles Taylor. A conversion process to change the older high voltage tubes to solid state diodes is described step-by-step. (7)
- R29** R-390A ALIGNMENT CHART, Charles Taylor. A step-by-step procedure for optimizing your R-390A's performance. (5)
- R30** MCKAY-DYMEK DP-40 PRESELECTOR, Bob Foxworth. A non-technical description of this useful filter accessory, plus some modifications to improve its performance. (2)
- DOMESTIC DX**
- D1** 1570-1580 STATION LOCATION MAPS. Two maps pinpointing the location of all domestic stations operating on these two superb sunrise/sunset skip channels. A valuable aid to the sunrise/sunset DXer. (2)
- D2** IT TAKES TWO TO VERIFY, PLUS HELPFUL HINTS, J. Murley and R. Schiller, respectively. If you are unhappy with your domestic QSL returns, read this article on the station's attitude toward reception reports. Also, veteran DXer Ron Schiller gives tips on increasing your returns. (4)
- D3** CANADA'S WILDERNESS RADIO: THE LPRT, P. Taylor. In depth study of those 20 and 40 watt Canadian stations that you hear, but don't understand. A must for the domestic DXer. (4)
- D4** WHAT IS A PRE-SUNRISE AUTHORIZATION? R.J. Edmunds. Some U.S. stations are authorized to operate with powers such as 14.3 watts during certain hours; this article explains why. (3)
- D5** LONG DISTANCE RECEPTION OF DX TESTS, F. Dailey. Are you thinking about asking a station to do a DX test? Here are some proven techniques, that if used by the station could make it easier for DXers to hear the test. A must for novice GPC members. (1)

- D6** MAKING THE BEST OUT OF PREPARED-CARD VERIES, Kelly Andrews. Ideas to show you how to obtain those elusive veries through imaginative and creative prepared cards, with numerous samples. (5)
- D7** ACCURATE DISTANCE DETERMINATION FOR DX'ERS, Bill Hale. A method for determining distance of local-channel stations for the listener is presented, along with a table of geographic coordinates for every U.S. city with a GY station. (17)
- D8** ALASKAN RADIO-THE STATE YOU MOST WANT TO HEAR, Brian Vernon. This complete listing of every Alaskan MW station gives plenty of useful information that just may help you bag this elusive state. (4)
- D9** THE NSP SITUATION, J. Starr. A look at this problem from the broadcasters' side of the fence. (2)
- D10** DX FROM THE TWILIGHT ZONE, P. Sullivan. For various reasons some stations are audible at sunrise and sunset only. This article explains the reasons. (4)
- D11** GRAVEYARD DX, R. Foxworth, with addition by M. Levintow. This article tells you how to DX those cluttered local channels and get results. (1)
- D12** CANADIAN FAMILY LIFE...IT'S TWINS, Explains why many station "families" exist in Canada. List of station groupings as of Nov. 1978, with 1979-80 update. Includes LPRTs and other stations of better DX potential. (6)
- D13** THE CANADIAN AUDIO NETWORKS, Brian Vernon. Explains origin of Canadian audio networks and tips on identifying stations belonging to them. (6)
- D14** GRAVEYARD STATIONS MAPS, Bill Hale. Useful maps for those who like the challenge of "dead" frequency DX. Includes station listings for each graveyard frequency. (1)
- D15** SOME TIPS ON IDENTIFYING UNID'S, R. J. Edmunds. Offers practical tips on how to ID stations using reference materials and deductive logic. (2)
- D16** SUNRISE SKIP DX, R. Kramer. Practical explanation of how to add stations to your log through understanding pre-sunrise authorities, station allocations on clear channels and auroral effects. (7)
- STATION LISTS**
- L1** FREQUENCY CHECK LIST, Joe Fela. Many U.S. stations run equipment tests at regular intervals and times. This list is a valuable aid to new loggers. Updated yearly. (6)
- L2** CUBAN STATION LIST, C. Hutton. This up-to-date listing is a handy resource for the International DXer. Updated yearly. (7)
- L4** NON-DIRECTIONAL AERONAUTICAL BEACONS, D. Davis. An explanation of the types of beacons found in and near the MW band, plus updated listing of aeronautical beacons. (6)
- L5** BROADCASTING IN GERMANY, Armin Littek. Besides a detailed listing of MW operations in Germany, there is included an overview of German broadcasting and networks, plus hints to help hear German stations in the U.S. (6)
- L6** A SURVEY OF LA SPLITS, C. Hutton. A list of all Latin American stations presently operating on split frequencies. Updated yearly. (2)
- L7** BASIC INVENTORY OF CUBAN STATIONS, Ronald Schatz. A companion to the Cuban Station List, this listing gives even more information about every Cuban MW station. (7)
- FOREIGN DX**
- F1** DX'ING LATIN AMERICA AND THE CARIBBEAN by N. Kazaross, M. Connolly and M. DeLorenzo. A detailed listing of 46 LA and Caribbean countries with MW operations, listed in order of easiest-to-hear to most difficult, along with helpful hints to logging. (6)
- F2** TA TIPS FOR BEGINNERS, Dave Yocis. Valuable information is offered here from a practical standpoint to the DXer trying for his first TA receptions. (2)
- F3** PORTUGUESE FOR DX'ERS, R. Schatz. Describes the important and unusual features of this language; a must if you DX Brazil. (2)

- P<sup>4</sup> TA DX'ERS GUIDE TO SUNRISE-SUNSET TIMES, Mark Connally. A handy reference to SRS-SSS times with extensive tables for many locations to aid the TA DXer. (4)
- P<sup>5</sup> HUNTING LATINS BY MUSIC, R. Schatz. Describes types of LA music indigenous to various countries and tells how to ID LA stations using this information. (5)
- P<sup>6</sup> ZONAL-ANALYSIS APPROACH TO TA DX, Mark Connally. A systematic method of grouping TA countries to help the DXer recognize different types of openings and improve TA reception. (4)
- P<sup>7</sup> ZONAL-ANALYSIS APPROACH TO PAN-AMERICAN DX, Mark Connally. Similar to P<sup>6</sup>, with the emphasis on helping the Eastern U.S. DXer log LA and South American stations. (5)
- P<sup>8</sup> THE ASIA-AFRICAN FREQUENCY PLAN, from New Zealand DX Times. (3)
- P<sup>9</sup> SOME EASY TA'S, Dallas Lankford. A guide for the beginning TA DXer to some of the most easily-heard TA's. (2)
- P<sup>11</sup> ITU FREQUENCY ALLOCATIONS AND THEIR IMPACT ON TA DX'ING, M. Connally. Trying for TA's on their new frequencies? What are your chances of logging a specific station? All region I MW frequencies are listed and what should be heard under good conditions. (6)
- P<sup>12</sup> COMMON SENSE T.A. DX STRATEGY, M. Connally. Practical hints are given for newer DXers to hear Trans-Atlantic stations. (2)
- MISCELLANEOUS ARTICLES
- M<sup>1</sup> LOCAL SIDEBAND SPLASH, HOW MUCH IS TOO MUCH?, G.P. Nelson. Many DXers complain about certain local stations overmodulating and producing large amounts of interference. Article describes FCC regulations on sideband radiation on the MW band and types of station originated spurious radiation. (1)
- M<sup>2</sup> MODULATION ARCIING, J. Starr. Describes a frequent but rarely discussed cause of MW interference originating at the station that can wreak havoc on the MW band. (1)
- M<sup>3</sup> SUNRISE-SUNSET TABLES, G.P. Nelson. These charts permit the DXer to determine accurate time of sunset and sunrise at any point in the world on any particular day. Very useful for international DXers. (9)
- M<sup>4</sup> QUASIMONTHLY PATTERNS IN ATYPICAL MW DX RECEPTION, G.P. Nelson. A large body of data on TA reception gathered by R. Wood in England. Information is analyzed in an attempt to disprove the Lunar Phase Theory. (4)
- M<sup>5</sup> UNRESTRICTED RADIATION, G.P. Nelson. Discussion of carrier-current stations and how to hear them. (3)
- M<sup>6</sup> RF POLLUTION, G. Hauser. General discussion of the radio interference problem and steps necessary to control it. (2)
- M<sup>7</sup> PATTERNS, PARTS I, IIa AND IIb, P. Hart. An understanding of the directional patterns used by North American MW stations is vital for the active domestic DXer. This series of articles explains in authoritative detail what patterns mean and how the DXer can fatten his log by understanding them. (35)
- M<sup>8</sup> PRECISION FREQUENCY ANALYSIS, R. Schatz with notes by R.J. Edmunds. A discussion of the technique of analyzing the characteristics of a station's frequency over the long term as an aid to the identification or elimination of stations as possible DX catches at any given time. (5)
- M<sup>9</sup> MORE ON HOW DIRECTIONAL ANTENNA PATTERNS ARE PRODUCED, Wes Boyd. Supplementary information to the articles contained in the current edition of the NRC Night Pattern Book. (1)
- M<sup>10</sup> SUPERMODULATION AND EFFECTS ON DX'ING, Steve Kennedy. Discusses why there is overmodulation and how this problem will affect the DXing hobby for some time to come. (3)
- M<sup>11</sup> TERRAIN CHARTS FOR PROPAGATION PREDICTIONS, M. Connally. This article details a method to prepare a chart of a DXer's surrounding terrain which can help enhance or diminish reception. (3)

- M<sup>12</sup> NOISE LEVELS AND USEABLE RECEIVEN SENSITIVITY, C. Nutton. Discussion, in technical terms, of the effect of noise on receiver sensitivity. (5)
- M<sup>13</sup> GREAT CIRCLE CALCULATIONS REVISITED, Mike Tuggee with an addition by R.N. Allen. If you like to do calculations, this is the article for you! Mike explains how to figure distance and direction of stations mathematically. Richard Allen has written a computer program for use with the new "home computers" to figure the Great Circle paths. (4)
- M<sup>14</sup> HOME COMPUTERS AND DX'ING, Mark Connally. An introduction to the use of the new generation of home computers as an aid to DX record-keeping and calculations. (2)
- M<sup>15</sup> COMPOSITE CARIBBEAN GROUNDWAVE ANALYSIS. Edited by Mark Connally, this is a frequency-by-frequency listing of daytime receptions from several Caribbean locations. (3)
- M<sup>16</sup> EAST COAST GROUNDWAVE ANALYSIS. Edited by Mark Connally. Similar to M<sup>15</sup>, except locations in Eastern U.S. are included in this overview of daytime receptions. (6)
- M<sup>17</sup> SOME THOUGHTS ON INTERFERENCE, Skip Arey. Not a dimmer around that kills DX whenever it's on? A simple modification is explained to stop the noise. (1)
- PROPAGATION
- P<sup>1</sup> MEDIUM WAVE SIGNAL PATHS, PARTS I, II, III, AND IV, G.P. Nelson. Discusses Great Circle Paths, seasonal absorption pattern, auroral effects and the mid-Winter anomaly. (29)
- P<sup>2</sup> SOLAR CONTROL OF DAWN E BLANKETING ON THE MW BCB, G.P. Nelson. Explains how the position of the sun controls the fadeout time of transatlantic and transpacific stations. (2)
- P<sup>3</sup> EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM, G.P. Nelson. Explains how the sun controls the fade-in times for MW stations. (2)
- P<sup>4</sup> SUMMER RECEPTION ON THE BROADCAST BAND, G.P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from deep South America and Africa possible. (3)
- P<sup>5</sup> METEOROLOGICAL EFFECTS ON MW GROUNDWAVE RECEPTION, R.J. Edmunds. Short term variations in groundwave propagation at MW frequencies and their relationship to weather conditions is discussed. (7)
- P<sup>6</sup> AURORAL EFFECTS AND THE 1969 TRANSATLANTIC LISTENING TEST, G.P. Nelson. Brief simple description of how the geomagnetic and auroral phenomena control TA reception from various stations. Best general introduction to MW auroral effects. (5)
- P<sup>7</sup> THE AURORA OF NOVEMBER 6-9, 1970, G.P. Nelson traces a classic MW auroral attack from its origin on the sun to its effects on MW reception. (3)
- P<sup>8</sup> COMPARATIVE MEASUREMENTS OF GEOMAGNETIC INDICES, R.J. Edmunds. The author compares on a daily basis for three months the various A-index measurements as reported by several major observatories. He tells how the indices are related to each other. (3)
- P<sup>9</sup> SKYWAVE OR GROUNDWAVE RECEPTION?, G.P. Nelson. How to tell whether the signal from a station you are listening to is arriving via groundwave or skywave or both. (3)
- P<sup>10</sup> A BEGINNER'S GUIDE TO THE IONOSPHERE, Father J. Pejza. Radio wave propagation is influenced greatly by the conditions in the ionosphere. This article explains the processes which change the ionosphere and the effects of these changes on radio waves. (10)
- P<sup>11</sup> THE LIMITS OF MIDDAY MW DX, G.P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours. (16)
- P<sup>12</sup> LIMITATION ON THE USE OF THE A-INDEX, G.P. Nelson. While the A-index is a valuable tool, it is easily misinterpreted. This article shows why. (3)
- ORDER FROM NRC PUBLICATION CENTER, P.O. BOX 164, MANNESVILLE, NY 13661.

- P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY, G.P. Nelson. Describes the author's research into the effects of the aurora on MW propagation. (8)
- P14 SKYLINE BLOCKAGE, Fr. J. Pejaa. Mathematical derivation of the formula needed to calculate the effect which terrain has on signals. (10)
- P15 SKYLINE BLOCKAGE, SOURCES OF UNCERTAINTY, G.P. Nelson. Takes into account the possibility of signal propagation by some less common modes which are subject to blocking by the horizon. (9)
- P16 HORIZON BLOCKAGE: CAN PESNEL DIFFRACTION BE IGNORED? G.P. Nelson. No, it can't!! This article shows how signals that should be blocked by the horizon can sometimes be heard. (10)
- P17 TRANSPOLAR DX RECEPTION, R.J. Edmunds. Are you looking for Asian DX more exotic than Urumchi-15257? This technical article relates to the transpolar reception of central and eastern Asiatic stations at sunset in North America. (27)
- P18 OBSERVATIONS OF TRANSATLANTIC MEDIUM WAVE RADIO SIGNALS, C.W. Bailey. The results of a lengthy survey to TA receptions made over a one year period. (3)
- P19 PROPAGATION AT MEDIUM WAVE FREQUENCIES, P. Sullivan. Discusses some aspects of the factors which control signal reception on the MW. (6)
- P20 FACTORS OF MEDIUM WAVE PROPAGATION, F. Dinning. Further discussion of the nature of MW propagation. (6)
- P21 DOMESTIC PROPAGATION-ANSWERS TO FREQUENTLY ASKED QUESTIONS, R.J. Edmunds. A brief discussion on some of the propagational factors that affect domestic reception. (1)
- P22 REVIEW OF SOLAR ACTIVITY FOR THE MEDIUM WAVE DX'ER, R.J. Edmunds. A concise explanation of the Fredericksburg A-index as well as its use in the hobby is given in this article. Goes with P1, P6, P7, P10, P12, P13, P19 and P20. (2)
- P23 MEDIUM WAVE IONOSPHERIC PROPAGATION PLUS THE SEQUEL TO... by R. Schatz. These articles take a different approach to propagation and presents new terms and theory. An introduction to P24. (11)
- P24 TERMINATOR TRANSIT MECHANIX, R. Schatz. Parts I, II, III, IV and IV-A, of a series which the author states features practical techniques to hear new stations; techniques never before available. (33)
- P25 SUNSPOT CYCLE 21-THE PEAK-HOW MUCH AND WHEN by G. Okleshen, H.R. Report. This article, through careful predictions, shows how the next peak in solar activity will be one of the most severe in recent history; includes additional comments by R.J. Edmunds. (3)
- P26 ATMOSPHERIC AND GALACTIC NOISE ON THE BCB, Dallas Lankford. Amounts of various types of QRN are compared to receiver sensitivity in this technical discussion. (3)

#### RECEIVER REVIEWS

- RR1 RECEIVER COMPARISONS-WHAT DO THEY MEAN? R.J. Edmunds. Certain problems arise when comparing product summaries and receiver reviews. The author explores these comparisons with an emphasis on MW DX. (2)
- RR2 QUALITATIVE REVIEW OF THE TAESU PRO-7 RECEIVER, G. Hauser. A detailed non-technical review of this popular communications receiver. (3)
- RR3 A REVIEW OF THE SONY ICF-5900W, Dan Phillips. A review and comparison with other portable receivers. Also deals with SW and FM sections of the unit. (2)
- RR4 HEATH OR-7B, R. Schatz. (2)
- RR5 BARLOW-WADLEY XCR-30, M. Hardesty. (2)
- RR6 A REVIEW OF THE PANASONIC RF-2200 WITH ALIGNMENT PROCEDURE, Michael Sapp and Steve Kennedy. A non-technical comparison with the Sony ICF-5900 and TRF, along with simple procedures for keeping this portable in alignment with proper dial calibration. (5)

RR7 A NON-TECHNICAL REVIEW OF THE WORCESTER LONG DISTANCE RECEIVER, J. Starr. A user's critical commentary of this revolutionary receiver. Built in limited quantities, this receiver is not readily available to most DXers. (4)

RR8 MCKAY-DYMER DR-22, J. Clements. A detailed, non-technical pre-production review of one of the "new breed" of receivers; mentions features, performance and how it measures up to receivers now in use. (3)

RR9 PANASONIC RF-4800 REVIEW, G. Manning. Evaluates overall performance of this multiband receiver. Includes schematic and technical specifications furnished by the manufacturer. (3)

RR10 HQ-180 SERIES RECEIVERS, D. Lankford with additional comments by Bob Foxworth. Reviews technical details and includes personal comments on the popular Hammarlund HQ-180 receivers. (7)

RR11 SONY TR-6500 VS. THE TRF, Charles Barfield and Gerry Thomas. Thinking of buying either of these popular inexpensive receivers. This reprint compares them side-by-side and gives impressions. (3)

RR12 GENERAL ELECTRIC'S SUPERADIO, Gerry Thomas, Charlie Barfield and Dallas Lankford. A detailed review of this new portable AM/FM receiver, compared with the Radio Shack TRF. (6)

RR13 RADIO SHACK DX-300, A SHORT REVIEW, W. Heinen. Very brief review, non-technical, from the MW DXer's viewpoint. (2)

RR14 REVIEW OF THE DRAKE R7, C. Hutton. Summary of features and in-use evaluation of this new (July, 1979) communications receiver. (3)

RR15 SONY ICF-D11W, Jerry Neves. A brief look at this new Sony portable, including user comments and specifications. (2)

RR16 NRD-515 REVIEW, Bob Foxworth. A detailed review and commentary on Japan Radio Corporation's newest receiver. (7)

RR17 THE SONY ICF-S5W, Gerry Thomas, Russ Edmunds, Mark Connelly and Paul Swearingen. Four veteran DXers put this new Sony receiver through side-by-side tests with other popular portables and give their impressions from the results. (15)

RR18 SURVEY OF HAMMARLUND RECEIVERS, Dallas Lankford. This article should be read in conjunction with RR10. A summary of the full line of Hammarlund receivers suitable for BCB DX, with comparisons, modifications and hints when purchasing one. (8)

RR19 RADIO SHACK'S NEWEST TRF, Gerry Thomas. The venerable 12-655 TRF has been replaced--is the new 12-656 as good? This article compares the two and answers that question. (2)

#### PRODUCT SUMMARY

PS1 DRAKE SSR-1 RECEIVER, Bob Foxworth. (1)

#### UPDATORS TO THE NRC LOG AND PATTERN BOOK

UDL A year's set of updaters to the NRC Domestic Log is available to members for a flat fee of \$1; to non-members for \$2.\*

UPB A year's set of updaters to the NRC Night Pattern Book, available to members for \$1; to non-members for \$2.\*

\*Inquiries as to availability are advised.

#### HOBBY AIDS

SSM SUNRISE/SUNSET MAPS, a set of 12 maps (8½ x 11) with instruction sheet showing the monthly average sunrise/sunset times for the United States. An invaluable aid to the sunrise or sunset DXer. \$2 to all.

MAP Map of United States and much of Canada. These 8½ x 14 maps are professionally prepared and contain state/province boundaries. Cities are not listed. Ideal for non-DX related uses also. 50¢ for 5.

GUIDE BROADCASTERS GUIDE TO DX, A tri-folded guide for use with reception reports explaining DXing, how the NRC was formed and the importance of QSLs to DXers. \$1 for 25.

SSGUIDE Spanish version of the above Broadcasters Guide. \$1 for 25.

FORMS A set of 3 masters for use in photo-offset printing to permit members to prepare their own NRC stationery, report-forms--both Spanish and English. For members only. 50¢ per set.

## NRC BOOKLET PUBLICATIONS

The National Radio Club is proud to announce its list of booklet publications. All of these items are available from the National Radio Club Publications Center, P.O. Box 164, Mannsville, NY 13661.

### DOMESTIC LOG

This spiral-bound volume contains listings for all U.S. and Canadian A.M. stations, including locations, addresses, powers, antenna operations, networks, schedules and other useful information.

\* Special Price \$4  
\* 5th Edition while supplies last  
6th Edition expected early 1982

### NIGHT ANTENNA PATTERN BOOK

This spiral-bound volume features the nighttime directional antenna patterns of Canadian and U.S. stations on map pages of 8½ x 14 inches. These patterns are drawn to scale from official government sources. Commercial publications of this sort cost more than ten times as much for this most valuable DX reference. Cost to members is \$7.50 postpaid and \$8.50 to non-members.

### ANTENNA REFERENCE MANUAL

This manual is a compilation of numerous articles on the subject of antennas for MW DXers which have appeared in the pages of DX News over the past several years in one handy volume. Includes data on air- and ferrite-core loops, antenna tuners for longwires, and beverage antennas, along with coupling devices. 5½ x 8½ booklet format. \$2.50 in the U.S. and Canada.

### RECEIVER REFERENCE MANUAL

This manual is similar to the manual on antennas, except that the subject is DX receivers. It includes useful articles on receiver modifications and accessories, and reviews of many of the commonly used MW DX receivers currently available. A must for the serious DXer/Experimenter. 5½ x 8½ booklet format. \$2.50 in the U.S. and Canada.

### GETTING STARTED IN MEDIUM WAVE DX'ING

This booklet is designed to assist the novice DXer in pursuit of the hobby. It includes introductory articles on foreign and domestic DXing as well as related topics. Included are articles on reception reports and safety and preventive maintenance of your DX gear. All members who pay the New Member Fee automatically receive a copy of this booklet. For non-members the cost is \$1.25 in the U.S. and Canada.

### LOG AND PATTERN BOOK UPDATER

Periodic updaters for the NRC Domestic Station Log and the NRC Night Antenna Pattern Book are published in the pages of DX News. Non-members may obtain reprints of these updaters in composite by ordering them through the NRC reprint service. Cost is \$1.00 for members and \$2.00 for non-members, covering all updaters from time of the most recent edition of the Log or Pattern Book to the date of the order. Inquiries as to availability are advised.

NOTE: Prices subject to change without notice. Orders from outside North America, please contact Publications Center for applicable rates and methods of shipment. For domestic orders, allow 4 weeks for delivery.

## REPRINTS/PUBLICATIONS ORDER<sup>(2)</sup>

Available from NATIONAL RADIO CLUB PUBLICATIONS CENTER, P.O. BOX 164, MANNSVILLE, NY 13661. Payment in U.S. funds only.

**REPRINTS:** Rates are 10¢ per page for members; non-members 12¢. Overseas surface mail rates are 12¢ per page. Number of pages are indicated by ( ). Circle selections please.

A1 (12)	R1 (10)	D1 (2)	M1 (1)	P19 (6)
A2 (1)	R2 (22)	D2 (4)	M2 (1)	P20 (6)
A3 (3)	R3 (6)	D3 (4)	M3 (9)	P21 (1)
A4 (3)	R4 (14)	D4 (3)	M4 (6)	P22 (2)
A5 (4)	R5 (4)	D5 (1)	M5 (3)	P23 (11)
A6 (9)	R6 (4)	D6 (3)	M6 (2)	P24 (33)
A7 (3)	R7 (6)	D7 (17)	M7 (35)	P25 (5)
A8 (3)	R8 (2)	D8 (4)	M8 (5)	P26 (3)
A9 (3)	R9 (6)	D9 (2)	M9 (1)	
A10 (2)	R10 (1)	D10 (4)	M10 (3)	RR1 (2)
A11 (14)	R11 (3)	D11 (15)	M11 (3)	RR2 (3)
A12 (4)	R12 (8)	D12 (6)	M12 (5)	RR3 (2)
A13 (3)	R13 (2)	D13 (6)	M13 (4)	RR4 (2)
A14 (1)	R14 (3)	D14 (13)	M14 (2)	RR5 (2)
A15 (4)	R15 (32)	D15 (2)	M15 (3)	RR6 (5)
A16 (2)	R16 (25)	D16 (7)	M16 (6)	RR7 (4)
A17 (4)	R17 (8)		M17 (1)	RR8 (3)
A18 (5)	R19 (2)	L1 (6)		RR9 (3)
A19 (7)	R20 (13)	L3 (7)	P1 (29)	RR10 (7)
A20 (10)	R21 (4)	L4 (6)	P2 (2)	RR11 (3)
A21 (3)	R22 (2)	L5 (6)	P3 (2)	RR12 (6)
A22 (6)	R23 (1)	L6 (2)	P4 (3)	RR13 (2)
A23 (2)	R24 (3)	L7 (7)	P5 (7)	RR14 (3)
A24 (14)	R25 (6)		P6 (5)	RR15 (2)
A25 (4)	R26 (1)	P1 (6)	P7 (3)	RR16 (7)
A26 (1)	R27 (4)	P2 (2)	P8 (3)	RR17 (5)
A27 (4)	R28 (7)	P3 (2)	P9 (3)	RR18 (8)
A28 (36)	R29 (5)	P4 (4)	P10 (10)	RR19 (2)
A29 (1)	R30 (2)	P5 (5)	P11 (16)	
A30 (11)		P6 (4)	P12 (3)	PS1 (1)
A31 (4)		P7 (5)	P13 (8)	
A32 (2)		P8 (3)	P14 (10)	
A33 (4)		P9 (2)	P15 (9)	CIRCLE
A35 (7)		P11 (6)	P16 (10)	SELECTIONS
A36 (3)		P12 (2)	P17 (27)	
A37 (9)			P18 (3)	
A38 (2)				

TOTAL PAGES \_\_\_\_\_ at \_\_\_\_\_¢/page \* \$ \_\_\_\_\_  
Carry total over to next page, please.....

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_ ZIP \_\_\_\_\_

THIS SPACE FOR PUBLICATIONS CENTER USE

(22)

MAIL FULL FORM TO:

NRC PUBLICATIONS CENTER  
P.O. BOX 164  
MANNSVILLE, NY 13661

REPRINTS/PUBLICATIONS ORDER

REPRINTS - Total from other page      =      \$ \_\_\_\_\_

UDL - Updaters to the Domestic Log  
\$1 to NRC members; \$2 to non-members      =      \$ \_\_\_\_\_UPB - Updaters to the Night Pattern Book  
\$1 to NRC members; \$2 to non-members      =      \$ \_\_\_\_\_SSM - Sunrise/Sunset Maps  
\$2 to all      =      \$ \_\_\_\_\_MAP - Map of United States, partial Canada  
50¢ for 5 maps      =      \$ \_\_\_\_\_GUIDE - Broadcasters Guide to DX  
\$1 for 25      =      \$ \_\_\_\_\_SSGUIDE - Spanish version of Broadcasters Guide  
\$1 for 25      =      \$ \_\_\_\_\_FORMS - Stationary/Report Form Masters  
50¢ per set of 3 (members only)      =      \$ \_\_\_\_\_

TOTAL OF ABOVE      =      \$ \_\_\_\_\_

DOMESTIC LOG      Quantity ordered  
Special Price \$4, 5th Edition  
While Supplies Last      =      \$ \_\_\_\_\_NIGHT ANTENNA PATTERN BOOK  
\$7.50 to NRC members  
\$6.50 to non-members      =      \$ \_\_\_\_\_ANTENNA REFERENCE MANUAL  
\$2.50 to all      =      \$ \_\_\_\_\_RECEIVER REFERENCE MANUAL  
\$2.50 to all      =      \$ \_\_\_\_\_GETTING STARTED IN M.W. DX'ING  
\$1.25 to non-members  
FREE to new members      =      \$ \_\_\_\_\_

TOTAL OF PUBLICATIONS      =      \$ \_\_\_\_\_

TOTAL OF REPRINTS AND PUBLICATIONS  
U.S. FUNDS ONLY      =      \$ \_\_\_\_\_

THIS SPACE FOR PUBLICATIONS CENTER USE

NAME \_\_\_\_\_

(23)

24	Londonderry	720-Radio 4 (.25 kw) 909-Radio 2 (1 kw) 1053-Radio 1 (1 kw) 1215-Radio 3 (.25 kw) 1361-Radio Ulster (.25 kw)	792-Radio Foyle (1 kw)	828 -Chiltern Radio ( )
25	Luton	909-Radio 2 (100 kw) 1069-Radio 1 (150 kw) 1215-Radio 3 (.50 kw)	1485-Radio Manchester (.5 kw)	1152-Preston Radio (.35 kw)
26	Manchester Moorside Edge	603-Radio 4 (2 kw) 1215-Radio 3 (2 kw)	1488-Radio Newcastle (2 kw)	1152-Metro Radio (1 kw)
27	Newcastle	1296-BBC World Service/WUA	1521-Radio Nottingham (.25 kw)	999-WM Radio Trans ( .2 kw)
28	Nottingham	883-Radio Wales (10 kw)	1485-Radio Oxford (.5 kw)	1170-Radio Victory (.2 kw)
29	Oxford	1296-BBC World Service/WUA	1485-Radio Oxford (.5 kw)	1481-Radio Tay (.4 kw)
30	Penzance	883-Radio Wales (10 kw)	1481-Radio Tay (.4 kw)	1332-Harvard Radio (.5 kw)
31	Perth	883-Radio Wales (10 kw)	1481-Radio Tay (.4 kw)	1152-Plymouth Sound (.5 kw)
32	Peterborough	883-Radio Wales (10 kw)	1481-Radio Tay (.4 kw)	1170-Radio Victory (.2 kw)
33	Plymouth	883-Radio Wales (10 kw)	1481-Radio Tay (.4 kw)	1481-Radio 210 (.1 kw)
34	Portsmouth	693-Radio 2 (10 kw) 1053-Radio 1 (10 kw) 1215-Radio 3 (1 kw)	855-Radio Norfolk (1 kw)	1035-Radio Sheffield (1 kw)
35	Portsmouth	693-Radio 2 (10 kw) 1053-Radio 1 (10 kw) 1215-Radio 3 (1 kw)	855-Radio Norfolk (1 kw)	1035-Radio Sheffield (1 kw)
36	Reading	693-Radio 2 (1 kw) 880-Radio Scotland (.5 kw)	990-Radio Aberdeen (1 kw)	1481-Southam (.5 kw)
37	Redruth	693-Radio 2 (1 kw) 880-Radio Scotland (.5 kw)	990-Radio Aberdeen (1 kw)	1481-Southam (.5 kw)
38	Southend-on-Sea	1069-Radio 1 (2 kw) 1215-Radio 3 (2 kw) 1489-Radio 4 (2 kw)	1481-Southam (.5 kw)	1481-Southam (.5 kw)
39	Southend-on-Sea	795-Radio 4 (2 kw) 909-Radio 2 (2 kw) 1069-Radio 1 (2 kw) 1215-Radio 3 (2 kw)	1481-Southam (.5 kw)	1481-Southam (.5 kw)
40	Sheffield	1069-Radio 1 (2 kw)	1481-Southam (.5 kw)	1481-Southam (.5 kw)
41	Sheffield	1069-Radio 1 (2 kw)	1481-Southam (.5 kw)	1481-Southam (.5 kw)

47		Stagecoach	693-Radio 2 (50 kw) 1053-Radio 1 (50 kw)
48		Start Point	693-Radio 2 (50 kw) 1053-Radio 1 (100 kw)
49	31	Stockton	1548-Radio Cleveland (1 kw)
50	32	Stoke-on-Trent	1593-Radio Stoke-on-Trent (1 kw)
51	33	Swansea	1170-Swansea Sound (.8 kw)
		Torbay	994-Devon Alre Radio (.4 kw) R
52		Tynyn	1197-Radio 3 (.5 kw) 1498-Radio 4 (.1 kw)
53		Washford	1069-Radio 1 (.1 kw) 1215-Radio 3 (.5 kw)
54		Westerglen	682-Radio Wales (70 kw)
55		Whitehaven	810-Radio Scotland (100 kw) 909-Radio 2 (.50 kw)
56	34	Wolverhampton	1089-Radio 1 (.50 kw) 1215-Radio 3 (.50 kw) 909-Radio 2 (.1 kw) 1089-Radio 1 (.1 kw)
57		Wrexham	892-Radio Wales (2 kw)

## Key to Notes:

- a- soon to be on the air
- b- moving to 990 kHz
- c- moving to 873 kHz with .25 kw
- d- soon to raise power to 2 kw
- R- Relay of service shown



## SUMMARY OF UNREPORTED STATIONS

26

END OF VOLUME 48..... DOM KASKEY

The following chart lists the total number of stations in the USA and Canada and the volume they were last reported as being heard.

COUNTRY	V48	V47	V46	V45	V44	V43	V42	Prior Total
CANADA	276	49	10	14	5	6	2	403
U.S.A.	3074	595	225	150	80	78	32	4580
TOTAL	3350	644	235	164	85	84	34	4983
PCT. %	67.2	12.9	4.7	3.3	1.7	1.7	0.7	100.0%

The following chart lists the total number of stations in the USA and Canada, the total number reported by members in V48 and the number unreported since V41 by state and province.

Total # of Stations  
Reported in V48  
Unreported since V41

STATE	T	R	U	STATE	T	R	U	PROVINCE	T	R	U
AL	143	106	5	MT	49	18	12	AB	37	21	0
AK	25	19	2	NE	49	28	5	BC	66	28	16
AZ	66	21	14	NV	21	8	1	MB	19	18	0
AR	100	49	10	NH	28	22	0	NB	17	11	3
CA	236	162	11	NJ	39	38	0	NF	31	10	10
CO	73	57	8	NM	58	17	9	NWT	5	1	0
CT	39	39	0	NY	162	140	3	NS	18	11	0
DE	10	10	0	NC	218	129	11	ON	99	93	2
DC	7	7	0	ND	32	27	2	PEI	3	2	0
FL	200	139	17	OH	127	109	2	QU	86	64	9
GA	188	102	19	OK	67	38	9	SK	20	17	1
HI	26	26	0	OR	84	66	5	YT	2	0	0
ID	45	18	8	PA	184	178	0				
IL	130	112	3	RI	15	14	0	TOTAL	4983	3350	387
IN	87	69	1	SD	107	66	11				
IA	54	55	4	TN	36	22	5				
KS	62	31	6	TX	168	125	7				
KY	126	63	6		291	149	51				
LA	96	47	14		UT	36	22				
ME	38	30	2		VT	19	17				
MD	50	42	0		VA	139	106				
MA	68	61	0		WA	96	44	10			
MI	131	93	9		WV	65	40	10			
MN	98	60	7		WI	107	66	5			
MS	109	60	19		WY	31	8	6			
MO	112	69	10								

The following chart lists the same information as the chart above except by regions instead of states.

REGION	T	R	U
North East (CT-ME-MA-NH-RI-VT)	207	183	2
Mid Atlantic (DE-DC-MD-NJ-NY-PA)	452	415	3
South Atlantic (FL-GA-NC-SC-VA)	852	542	61
South East (AL-AR-KY-LA-MS-TN-WV)	807	510	71
Mid East (IL-IN-MI-OH-WI)	582	449	20
Mid West (IA-KS-MN-WI-NE-MD-SD)	473	302	39
South West (AZ-NM-OK-TX)	482	225	83
Rockies (CO-ID-UT-WY)	234	123	38
West Coast (CA-HI-NV-OR-WA)	463	306	27
Maritimes (NB-NP-NS-PEI-NWT(E))	70	34	13
Eastern Canada (ON-QU)	185	157	11
Central Canada (MB-SK)	39	35	1
Western Canada & Alaska (AK-AB-BU-NWT(W)-YT)	137	69	18
TOTAL	4983	3350	387

NRC--UNREPORTED STATIONS TO DX NEWS SINCE VOLUME 41 (Sep 1974)  
by state

AL---5-KGEA-1150, KHSK-1340, KBYE-1370, WUGG-1430, WNT-1450,  
AK---2-KVOK-560, KIFW-1230,  
AZ---14-KEVF-690, KJSO-740, KIPN-860, KAFR-930, KAPP-930, KPPH-1240, KBWA-1240,  
KUUK-1250, KHEP-1280, KAWC-1320, KPH-1340, KPLT-1450, KSV-1470, KAIR-1490,  
AR---10-KBHA-690, KACH-800, KAYR-1060, KAKA-1110, KCCB-1260, KNSY-1280, KVEE-1330,  
KGAT-1340, KVNN-1400, KJWH-1450,  
CA---11-KAVL-610, KLOA-1240, KDH-1250, KLOM-1330, KDOL-1340, K3FE-1340, KNGO-1400,  
KUNI-1400, KOLI-1470, KICO-1490, KZOM-1600,  
CO---8-KSTC-1230, KCRT-1240, KDTA-1400, KFTM-1400, KYOU-1450, KJCR-1450, KPOL-1490,  
KGUC-1490, KDRM-1460,  
CT---0-  
DE---0-  
DC---0-  
FL---17-WAYR-550, WGA-920, WLQH-940, WBGC-1240, WNER-1290, WIYD-1260, WPCF-1290,  
WB-1130, WTS-1340, WTYS-1340, WSEH-1340, WCAI-1350, WENG-1360, WLIZ-1380,  
WPRY-1400, WPAS-1400, KVQ-1490,  
GA---19-WACL-570, WCH-610, WPI-790, WML-900, WGL-990, WRIA-1230, WTA-1240,  
WZ-1310, WBT-1340, WTHL-1390, WUL-1400, WSGC-1400, WCH-1400, WGR-1410,  
WFC-1450, WL-1450, WYZ-1490, WEP-1490, WENT-1490,  
IL---0-  
IN---3-KSRA-960, KSKI-1340, KAGH-1340, KHL-1400, KVSI-1450, KYET-1450, KESP-1450,  
KLBD-1490,  
IN---3-WRAJ-1440, WJEM-1480, KAT-1510,  
IN---1-WNDI-1550,  
IA---4-KOUR-1220, KCPI-1250, KMAQ-1320, KAY-1470,  
KJ-5-WJRG-950, KIND-1010, KIUT-140, KEW-1450, KTOP-1490, KABI-1560,  
KY---5-WANO-1230, WPTM-1240, WPKE-1240, WKCB-1340, WHTY-1480, WKDO-1560,  
LA---14-WTRY-730, WMR-990, KXLA-990, KDLA-1010, WFGG-1110, KQKI-1170, WNEW-1190,  
WAO-1240, KVOL-1270, KDRS-1410, KMP-1430, KNOC-150, WSGH-1460, KEUN-1490,  
LA---2-JSJ-1230, GOM-1340,  
MD---0-  
MA---0-  
MI---0-WBCH-1220, WRTR-1230, WTB-1340, WAM-1340, WPF-1340, WSY-1400, WTC-1450,  
WJQ-1450, WZQ-1490,  
MS---7-KTCG-690, KETH-930, KCH-1350, KTD-1370, KQDS-1380, KRP-1390, KT-1470,  
MS---19-WJL-1060, WHEY-1230, WAZP-1230, WGH-1240, WJUN-1290, WXX-1310, WPC-1320,  
WKD-1340, WJL-1340, WYQ-1410, WGJU-1450, WQIC-1450, WHT-1450, WJK-1460,  
WCH-1470, WLO-1490, WOSP-1520, WYAZ-1530, WSG-1540,  
MO---10-KRMO-990, KJSL-1080, KCT-1140, KWDS-1240, KHEF-1240, KNG-1360, KBCG-1410,  
KETH-1420, KFW-1450, KTTN-1600,  
KT---12-KANA-580, KGLE-590, KHDN-1230, KLT-1240, KLYC-1240, KATL-1340, KYLT-1340,  
KARR-1400, KZDI-1450, KTC-1450, KDEM-1490, KLYC-1490,  
ME---5-KGF-1330, KID-1340, KICK-1360, KUVR-1380, KTT-1510,  
MV---1-WVGV-1280,  
NH---0-  
NJ---0-  
RI---9-KAIS-860, KDC-970, KJIN-980, KDT-1230, KRAM-1280, KSY-1420, KOB-1450,  
KRN-1450, KRS-1490,  
NY---3-WKSN-1340, WLI-1450, WGL-1500,  
NC---11-WDLV-550, WROC-680, WNGO-1230, WPNF-1240, WTSB-1340, WCBG-1340, WLE-1600,  
WYN-1420, WISS-1450, WHP-1450, WTE-1470,  
ND---2-KPOK-1340, KND-1540,  
OH---2-WJSH-990, WCHI-1350,  
DE---9-KCC-1050, KADA-1230, KBSL-1240, KTE-1280, KIHS-1340, KRHD-1350, KTC-1300,  
HALV-1430, KVLH-1470,  
OR---5-KLJ-1090, KACI-1300, KWVR-1340, KHH-1340, KHP-1450, KIV-1460,

PA---O-

RI---O-

SU--11-WAY-620, WWD-920, WALD-1060, WDXY-1240, WDAW-1350, WGBW-1350, WATF-1430,  
WORS-1450, WSDG-1490, WFPL-1510, WRKZ-1600,

SD--5-KOBI-580, KIJV-1340, KBM-1400, KEPS-1450, KORN-1490,

TK--7-WIRJ-740, WILR-1310, WAZN-1330, WBAC-1340, WBNB-1460, WTHE-1500,  
TQ--51-KURV-710, KBSN-810, KPST-860, KPAN-970, KIXL-980, KAML-990,  
KPAE-1050, KGLT-1060, KWEL-1070, KQTI-1130, KISG-1150, KJBG-1150, KDLF-1150,  
KIXC-1150, KVLL-1220, KDLR-1230, KLVV-1230, KVLP-1240, KXLY-1240,  
KSOL-1240, KHE-1270, KEPF-1270, KEAN-1280, KRAH-1280, KVUG-1280, KLAH-1300,  
KOYL-1310, KHLB-1340, KCHW-1340, KQIZ-1360, KEYE-1400, KDWL-1400, KXIT-1410,  
KBAL-1410, KTBZ-1430, KBZ-1460, KILL-1460, KCHY-1470, KIBL-1490, KHL-1490,  
KSAM-1490, KVQZ-1490, KZEN-1490, KAGC-1510, KRJH-1520, KBYB-1580,  
KKOL-1590, KIHM-1590,

UT--4-KSUX-630, KUTA-790, KPTN-1400, KURA-1450,

VT--0-WVKR-1340,

VA--3-WODI-1230, WIVH-1400, WVA-1450,

WA--10-KGDN-630, KROI-1150, KOZI-1230, KWNC-1370, KEDO-1400, KRSI-1400, KRFM-1450,  
KHCW-1490, KENZ-1490, KQH-1510,

WV--10-WHAW-980, WLG-1150, WLQG-1230, WTIP-1240, WVKV-1300, WZEE-1340, WROM-1400,  
WBTH-1400, WSCW-1410, WSGB-1490,

WI--5-WKCE-1260, WISV-1360, WRIG-1400, WTAB-1460, WFBB-1570,

WY--6-KFBC-1740, KHAL-1240, KYUN-1340, KBSB-1450, KVOI-1450, KTR-1490,

43--0-

WZ--16-CRNL-570, CFNL-590, CPFM-590, CNTM-1230, CFNV-1230, CFEM-1270, CHNM-1340,  
CFKC-1340, CGCR-1340, CIVN-1340, CKEG-1350, CKGH-1400, CRBT-1450, CKSP-1450,  
CMPC-1490, CKOO-1490,

13--0-

WD--3-QJG-590, CPAN-790, JEV-1490,

WF--10-CPLW-1230, CPGN-1230, CWX-1240, CBP-1240, CPG-1340, CPL-1340, QHO-1400,  
VCU-1480, CED-1490, VOHF-1490,

WZT--0-

WS--6-

WN--2-EPFL-1230, CFRC-1490,

WEI--0-

QU--9-QKBI-790, CBON-1230, CJNA-1230, CFIM-1240, CPED-1340, CBOU-1340, CKVT-1340,  
QJEM-1450, CRBT-1450,

WZ--1-QJNS-1240,

YT--0-

## ADVANCE ORDERING WRTH 1982

Donald Erickson  
6059 Essex Street  
Riverside, CA 92504-1599  
714-687-5910 until midn. PST

1982 World Radio TV Handbook The 1982 WRTH will be published in Jan.  
or Feb. 1982 and retail in the USA for  
\$16.50. Orders received prior to December 15, 1981, are eligible  
for the pre-publication price of \$13.50/H., at which time the price  
will be \$15.50/H. Shipping/handling by UPS (where available) or Book  
Rate is \$2 USA, \$3 Canada, and \$5 elsewhere. Shipping/handling by  
First Class Mail/Air Printed Matter is \$4 USA, \$5 Canada, and \$15  
elsewhere. Payments, by personal check or money order in the USA,  
and International Money Order elsewhere, should be payable to MCDONALD  
ERICKSON, Calif. residents, please add 6% sales tax (70 cents).  
Orders should include a self-addressed, stamped envelope (Canadians  
may insert mint stamp inside) for confirmation after shipment.  
Please mail prior to 12-15-81 for the \$2 discount to: Donald Erickson,  
6059 Essex St., Riverside, CA 92504-1599. 714-687-5910.

## MUSINGS

The opinions expressed in this column are those of the individual members  
and do not necessarily reflect those of the editors, publishers or NRC.

### HOME AGAIN, SAFE AND SOUND

ALBERT S. LOBEL - Box 26762 - San Diego, CA - 92126 27 Sept 1981  
----- Of course, I had to keep my eyes on the narrow winding road so I wouldn't drive into the Pacific Ocean (No, I don't have a VW & my car would not float - it's a 1978 Mercury Zephyr, hell!) The road along Highway 1 was just like a Swiss Freeway. I have been to Switzerland and the locals there would consider a road like Highway 1 a freeway. Most Swiss roads are much narrower and more winding, many are just dirt roads. That was in 1963 and maybe by now most are at least paved. DX was done that evening with AM from most of California real clear. Our hotel was only 70' off the water but I did not get up when the TPs would have been coming in; they should have been real strong at this location. FM was heard from San Luis Obispo & Santa Barbara during the day. From here it was a long drive home with a stop in the little Danish town known as Solvang. I didn't do much DXing from this point. At Venture one of my local FM stations, KEZL, could be heard quite clearly. As I turned off U.S. 101 onto I-405 South I tuned to 530 to try to get the airport information station at L.A. International. It could not be heard until I reached the first sign telling airport patrons to tune to 530 for airport info. At that point it came on like Gangbusters. It was audible until about the Long Beach area. Then once again in Garden Grove where we stopped to fill the car with gas before continuing home I tried 530 and caught briefly the L.A. Airport Information station. From this point it was a two-hour drive home & we listened to the cassette player all the way home. We arrived home at 11:30pm on 9/26 and went right to bed. As mentioned before this report was sent to four clubs & not everything will pertain exactly to each's main interest, but none-the-less most will find it interesting. 73 & good DX.

### HIS HIGHLIGHT IS AT TWILIGHT

DAVE FOX - 330 Douglass Street - Reading, PA - 19601 10/7/81  
----- A lot of sunset DX was tried for the latter part of October. Good openings existed to the N & NW. SSB s/off longings resulted in reports to WADJ-1330, WETZ-1330, WHAA-1330, WNRB-1540, WJL-1440, WCHN-970, WNST-960, WNLH-1150, WCRE-1150. Varies have been received from WADJ, WETZ, WHAA, WNRB, & WJL & WNST. In addition WABY-1400 came through with a varie for an old report. Included with the WABY varie was an ARMY FB sked. Stations listed on the ARMY Network include WVOX-1460, WGII-1290, WBNR-1260, & WHIV-1390. FM stations WSOX & WSUL are also on the football network. WABY's format is now described as "contemporary Christian Radio." One other varie in comes from WAMJ-1580, the former WJVA. The friendly GM there mentions he used to be the manager of WPRB (FM) in Princeton, NJ. On 10/5 produced nothing interesting, however 10/3 & 10/4 produced two s/off longings of PA stations that I have been interested in for a while. On 10/3 WCNB-1480 was heard signing off slightly late at 6:50pm after carrying, I believe, the conclusion of the Pitt-South Carolina FB game. No SSB was noted. On 10/4, WLEM-1250 was heard w/o full s/off & SSB from 6:27-6:30pm. Just when I thought I was all set for the season, my HQ-1500 died. Seems as though the on/off switch went bad. Hopefully I'll be back on line within several weeks. Many thanks to KEN CHATTERTON for expediting my WSCF-1070 varie. That's about all from here; good DX to all.

### GARY LIKES THE LOW END

GARY CARL MITCHELL - Box 1003 - Fairfield, CT - 06430 Oct. 10, 1981  
----- Verifications here have seemed to reach a dead end! I am awaiting IRCA & NRC stationery plus those little brochures about BCB DXing to include with requests. They should help results. I am learning tricks on QSLing & they are paying off somewhat. Being an amateur I get a lot of help from fellow amateur station engineers that are in local areas of the dead-and-QSL station, like mentioned. BCB listening that involves "ruining my ears and driving me crazy" has to make me desire QSL or I am wasting my time. I got my first copy on DX tonight - ZIZ-555 St. Kitts good for QSL & hope they do not steal my dollar (IRC's now 65¢). Usually I hear only Cubans here. So now I guess I will become an international BCB nut. (Excuse me - I hear much DX but usually audio is unreadable or is in SS). I am very interested in trading cassette tapes of BCB stations especially in low end of band, 540-700, etc. I am a low frequency nut, member of LW Club of America. (You know - I think they just lost their publisher and Noones is taking over so who knows there?) In amateur radio I spent 15+ years DXing on lowest band, 1800 kHz., so I can't watch TV. It's too stupid. FM radio rr does not help my sore ears, so I'd love to lie back and relax listening to tapes of far away BCB. Lay back and listen to Hawaii as snow falls. My suggestion - include FM in NRC as 2nd Hz broadcast & VLF. What happens when BCB goes up to 1750 kHz? Ouch - I'm being bombarded. FM I do not think would hurt NRC. Enough for now - hibernation.

IT'S THE LITTLE THINGS THAT COUNT

PAUL MOUNT - 471 Harrison Avenue - Teaneck, NJ - 07666 201-835-1137 \$110.07  
 My side of the NRC Convention: BILL TOWNSHEND came out to the house & we drove to Rockaway, nice 40 minute ride. Arriving early Friday, I got my room & spoke to RON MUSCO out near the lobby; DAVID FOX & RICH EDDIE drove up. I went up to the room to arrange CHM & DAVE WHATHOUGH came by to trade. Empty meeting room at 6, but crowded lobby. I met STEVE PARADIES & DR. NITSCHKE; Steve, Dave & I went to Roy Rogers' for dinner (those who like details will love this Musings, hi). Then most of the arrivals were in the meeting room. I alternated between looking at JOE BRAUNER's and NORM MAGUIRE's Ohio/NJ verises, talking with JOE FELA, DAVE SCHMIDT, DAVE FOX & STEVE PARADIES, & room 382 in the Alps w/joke telling. I drove out in search of WDKA-FM my favorite NJ station, then my roommate GEORGE GREENE finally arrived around 3 am. with the goods from Kroger. Saturday I met BILL ALIASDARIS & with JOE FELA we discussed FM & TV DX. To Gino's in DAVE FOX' car w/DK, DW & GG looking at WHUM test reports. Discussion of preserving verises and arranging for their being given to some archive was in progress upon return. On a Two Guys run, I saw a WRNJ 25 on a car and called them, by chance reaching an-NRCA Lee White who came by later w/stickers. I finally got in some Hearts games, w/CHUCK RADER, JOE & GEORGE. The great portable radio competition started, people in a row of chairs, radios to the ear, prompting CH's comment "I never saw so many White guys with radios on their shoulders!" Most people knew better than to wait to eat upstairs. GEORGE WALTON & JOHN BUEHLER dropped in (from Easton & Toledo) and we traded stickers. Business meeting lasted about three hours, then we went out in search of 'DNA again. Sunday we had a frisbee game in the parking lot while MARK SONNELL demonstrated phased beverages in his car. Auction started around 2, w/MUSCO & SCHMIDT bidding. I was impressed and heartened by RON MUSCO's dedication to this Club. He bid up to \$20 on a WARD "Son of the Beach" T-shirt. A lot of old NRC publications, program books, WARD shirts & Life magazines were sold. STEVE PARADIES played RON ERICKSON, buying a boxful of bulletins &c. STEVE FRANCIS joined GG & me for dinner; upon return the banquet was still going on so George & I found WDKA on Route 10 in front of WRAN's towers which run four in a line, E/W. (Next week).

WILKES-BARRE RADIO TAKES A TURN FOR THE WORSE

HARRY J. HAYES - 9 Henry Street - Wilkes-Barre, PA - 18702

A catch-up Musie about what's happening locally in radio. WBAX-1340 has erected a satellite dish in their backyard to pick up & re-broadcast "Country Coast to Coast", a satellite radio network which features famous c/w DJ's with such talk on sports and national events between songs. Also the service has its own NRCast "Country Coast to Coast News". Time checks are given in minutes before or past "the hour". The service was quite urgent in reporting the news of the assassination of Pres. Sadet, gathering info from ABC, CBS, & NBC. What's next with this service? A lot of the local identity of the station, both local color and IDs as well as some DJ's jobs. WBAX now sounds much more automated even when off the satellite. The morning & afternoon drive time announcers have been retained in this shuffle. WRKZ-1390 has dropped KTL at the end of August & is now unautomated on oldies. They feature repulsive phrases to demonstrate their lack of chatter like "Chicago Without the Wind" or "Tommy James without the Games." They are in direct competition with WMWJ (FM), another oldies station in the area. WARM-590 now features an oldies program at noon on Thursdays, of all things! WGBI-910 has dropped their distinctive "Country Club" approach to c/w mix and adopted an automated c/w format. The station now has as much character as a box of stale saltines. As the automation/satellite revolution advances, I think we can count on a lot less IDs, more stations on AM & humdrum homogenized programming to boot. A v/q received today, 10/5, from WAMM-1580 in for 9/23 SSS reception. V/l received from the new WADJ-1330 Somerset, PA two weeks ago. My report to WAMM-1580 South Bend returned as unmissable. Who knows the current address for this? CX have not been spectacular so far in October. On 10/7 WJSD-1590 Jonesboro, TN was blasting in at 6:50pm. On the following night there was not even a trace of them. That's all for now.

HE MAKES HAY WHILE THE SUN SETS

RAY ARRUDA - 67 Burt Street - Acushnet, MA - 02743

MM 10/12 was the fifth in a row that can be called a blackout, as nothing new was noted. October SSS, however, has been very good with many new ones added, most of them appearing in DDWD. Some recent highlights: Thursday at sunset on 1110, reports were taken on WTBD, WUHN, & WNAH between 6:05 and 6:30pm. WMOV-1360 was not heard on their second Sunday f/c 10/11 5:45-6am. MM 10/12, WNAH-790 in fair on ET/FT/OC 12:27-1:35 w/ID @ 1:29. Tuesday morning WSNJ-1240 was heard poorly on their f/c per list w/ET 12:05-12:20am. Veriss are back from WDEV-550 (f/l), WWHO-1440 (v/l) & WHPV-1440 (w/l). I have an IM-1 for sale for \$10. It's in mint condition and the first offer gets it. Or, anyone coming to our Thanksgiving GDC on 11/20 can purchase the IM-1, cash and carry! 73!

YOU'VE HEARD "UNCLE SAM WANTS YOU!! WELL, UNCLE ERNIE WANTS YOU - TO N-U-S-E!

NEXT STOP 700\*

ROB KIELCAREK - 2317 East Ohio - Milwaukee, WI - 414-481-6755  
 An already good season is about to get even better. I've snatched up the HQ-150A that KEN ROMSTADT had for sale in the Oct. 12 issue of DX NEWS. Now all I have to do is wait for the UPB man and let the stations roll in. My DX-160 served me well, but I think I've just about squeezed all the stations out of it. By the time this gets printed I should have given the new rig a good workout and expect to have a lot to report in my next Musie. On the subject of new equipment, the addition of a tape deck to my shack has proved to be a great help. Being able to play back weak signals has allowed me to ID stations that otherwise would have gone into the unID pile. I'm also able to give verbatim transcripts in my reception reports. My station total now stands at 600, with several "newies" to report: 10/8, WHTD-1590 (ex-WQTC) at s/off, 10/9- WHII-1570 & WTRD signed off within seconds of each other, with KAWS-1530 doing the same 15 minutes later. 10/10- WAJR-1520 s/on. 10/11- WNNQ came in on 900. When did they move from 990? MM 10/12- WWDY-1230 & WCWS-1450 were in, along with the best-ever reception of unid WGBM. Early morning 10/13 brought two more in on 1450, WGNS & KOKO. KOKO is station #600; #500 came in on 2/8/81 & #400 was on 11/10/80. On 10/7 - heard someone giving temperatures for Miami & Tampa on 1110 @ 2:03. Has WTII gone full time? (No, Bob, 'twas likely WBT with his truckers' WX report -EHC) Reports are out to WRPD, WDEL, KDNT, KOKO & the Caribbean Beacon. Only verie is from WTRD. That's it until the HQ-150A gets here.

DATINE DX IS DELIGHTFUL IN TIDEWATER

ANTHONY LAGATTUTA - Box 6291 - Portsmouth, VA - 23703-0291

Greetings. Hardly any stations seem to s/on & far now as they did back in the 50's. Maybe they are just about all AN now. Twilight seems exciting. This area of Virginia (often called "Tidewater" on local stations) around Norfolk, Virginia Beach and nearby areas is quite fascinating for the BCB during daytime. A main reason is the nearness to both the Chesapeake Bay and also the ocean. When the home-brew receiver is completed, I hope to have more time to make these interesting comparisons. 9/21- WEED-1390 @ 4:42pm should be in daytime along with WEMM-1390 but hard to loop with local WPCM-1380. WBIC-1380 stop channel with beautiful signal @ 4:49pm while looking for WAWZ-1380 or WAMS-1380. WBIC had GDX Mr. WAKS-1460 @ 5:11pm while looking for WJJL-1460. This area seems to favor the South around twilight. WRCW-1420 and "Big K Radio" are evidently one and the same. 9/22- WLAC-1510 in as late as 8:22am. WBSG-1550 in as late as 8:52am, seems fairly regular late mornings. WBZQ-1550 is heard daytime around the area. What makes for interest here is that a few miles can make a lot of change during the daytime. This was not true on the lower frequencies (approximately 200-400 kHz). CW stations again sort of interest me since as a boy of about seven or eight I used to listen to the old WAAT-970 in Newark, NJ. I mention "old" since it has changed owners (calls anyway, hi) several times over the years. At a very young age I was interested in what stations come in between the ones that were strong, or such. The paper showed several which I could not hear & I wondered why. "Latest hot tips" can help many a DXer log some new ones, but I really enjoy reading "Nostalgia Memories" in DX NEWS and similar items in Musings of others. Current log is the Jones Log & I'm very satisfied with it. I'm looking forward also to the NRC Log when it comes out. Best wishes.

STEVE PLUGS HIS UP-COMING IRCA COLUMN

STEVEN D. MILLER - Boston, MA

Hello everyone! How's DX? I trust that all that attended the various conventions had a great time. Also, I'm sure everyone knows that the best DX (propagation-wise) season is upon us. And that means just one thing, that it's time to contribute to the NRC's 49-year-old bulletin DX NEWS. Especially those of us who make up the Club's infamous silent majority. If everyone in the NRC contributed something at once time (for a particular issue), I bet that issue would be about 85 pages in size. Provided they contributed to all the regular weekly columns, with emphasis on DDWD, IXDX, GDXA, DXA, the IDXA column. The best part of the above is, everyone benefits. You benefit because you contributed & received a big fat issue of DX NEWS filled with DX news. Imagine an 85 page issue of DX NEWS! You also benefit because, along with the rest of membership, you'll also receive that 85 page issue! So come on fellas, contribute, contribute, contribute! In other news: For my last Musie, hopefully all of you know, I'm the IRCA's Condition of Frequencies column editor. For those who aren't familiar with the CoF column, the following sentence should ease your mind. It is simply a list of AM BCB stations that run AN & their SPs or lack thereof, plus s/off times for non-ANs that stay on past local midnight. Also regular SPs of NSP stations is listed when submitted. NRC, IRCA members please note: To submit material to my CoF column, simply jot down the AN-NSP-SP data on stations in your state-province & send it along to me. I will list the contributors' names alphabetically in each edition. For those who may not understand the above I will submit to "LFD HQ" a sample (one page) copy of the column. Look for it in Vol. 49 #5 Issue of DX NEWS, the #6 or #7 Issue of DX Monitor. If you understand the fore-mentioned please start sending column material now. See ya in my third anniversary Musie!

## KARL'S BACK FROM SOUTH OF THE BORDER

KARL V. JETER - 3590-C Clubhouse Circle East - Decatur, GA - 30032 10/11/81  
 Welcome all to another DX season. I hope that the upcoming months will be productive for all, and myself as well. The previous few months were quite dismal for DX. In September, only one varie was received, & there were no newies at all. The lone varie was a registered v/t from XEMB-1140. From Sept. 4-21, we were in Texas, visiting my sister in San Antonio. We made several side vires, including a weekend at Port Aransas on the coast, a day in beautiful Austin, and best of all, a four-day camping trip to Big Bend National Park. Returning from the park, we crossed into Mexico at Del Rio, & saw a certain "notorious" station - I think it is called XERF. hi. Its appearance is not as grand as its signal. Down a dirt road to an unkempt-looking building w/ "250,000 Watt" emblazoned on the front. Best of all was the "XERF" sign on the front gate wrapped in Christmas-tree lights! As it was afternoon, no one was there, so I had to suffice w/a snapshot. Parts of West Texas are a true daytime "radio desert", NW of Del Rio on U.S. 90, the FM dial is dead, & only two very weak XE's on AM. The TDF went along, & a daytime broadcast at San Antonio was made, and a partial daytime one at the park. On MM 10/5, I heard on 1500 & something strange - namely audio from WPLJ-FM in NYC. The signal was quite audible at times, with only the Mexican as QRM, I left the tape on, and if anyone would like to hear it, or has an explanation, let me know. What I want to know is...how do I count this one, hi? Also on MM 10/5, a PoP test was heard on WWKE-1370, w/sweep tones 304 until 310 VIF. Horn of 10/10 brought NQV-1410, not new for me, but never reported either, w/a nice signal between 6:05 & 6:36am EDT. Format was all-NX. "Neweradio 14" & goodies from both CBS & Mutual. Horn of 10/11, a rare showing from WHZ-940, also w/ all-NX format, 7:24-7:30am until WMAZ rattled my eardrums with its power/part-time change!ouch! - have a CHUCK MUTTON-aligned HQ-130 ready for some DX & with cooler Wx already here, I'm ready. Looks like Chuck & I will be heading over to Alabama soon for a beverage expedition, so stay tuned for the results. That'll do it for now, 73's to all.

## STEPHEN H. PONDER THE SHINING SEA

STEPHEN H. PONDER - Box 1712 - Matthews, NC - 28105  
 Greetings once more from chilly Metrolina! The Wx has been cold, warm, and then cold again; just right for catching a good old-fashioned cold. Time to update your log again - the new mailing address of WMA-1250 is Gary Robinson, CE, Box 31089, Charleston, SC, 29407. This came from phone call to station (803-556-5660) due to returned varie report. Speaking of reports, let me give you a brief rundown on the DX I heard while at Fort Caswell, NC, on a youth retreat from my church. 540-WGTO, 580-WAGR, WDBO, 590-WGTM, 600-WQEV, 610-WJOD, 630-WHFD, WHEX, 690-WAPE, 730-WPAL, 940-WMAZ, 1270-WYAN (Surfside Beach is on!), 1340-WGNI, 1390-WCSG, 1450-WMIB, 1470-WINN, & 1520-WTGR. Dopal Add WRJZ-520 to that list. Needless to say, the trip to the beach was truly fantastic. We stayed within the walls of the military complex at Fort Caswell, which has been turned into the state campsite for Southern Baptists. The house we roomed in was built sometime around the early 1900's and had 11 (count 'em, 11!) roomy rooms with high ceilings and fireplaces. If I ever get a chance, I'll stay there again - it was really a DXer's delight! It was the first time I had ever seen the Atlantic, and I fell in love with it at first sight! Maybe I'll get a chance to return and spend more time at the dials. Anyway, good DX and keep warm! So long from the NASCAR capitol of the SE, Charlotte, NC!

## FROM NATCHETZ TO MOBILE, OR MARRAGANSETT TO EL SEGUNDO

NEIL KAZANOFF - 518 East Grand Avenue - El Segundo, CA - 90245 213-322-3119  
 Greetings from California! In August I made the big move across the country from the Atlantic to the Pacific. I'm now working for Hughes Aircraft Co. as an electrical engineer in their Radar Antenna Dept. Here in Southwestern suburban L.A. we have a disgustingly large amount of losais. The only solution seems to be weekend Beverage DX-peditions to escape the QRM. I have about 4,000' of wire and two phasing units. If any area DXers are interested in DX-peditions let me know as I'll be available most weekends. I think I'm going to buy an FNG-7 with the 2.9 kHz mechanical filter modification. I'd like a second RX to go with my R-390A and the "Frog" seems to be just what I'm looking for because I want a portable AC/DC RX for DX-peditions and my planned (once every few months) trips back to R.I. to see my family and friends. In a later issue I'll talk about the fantastic LA DX I enjoyed in late July before I left R.I. Once again I missed the Convention. The past two years I seem to have been on the wrong coast at Convention time. The 1980 Convention was held at the Hacienda Hotel in El Segundo where I stayed for my first two weeks in California. I had an enjoyable visit in St. Louis w/ TERRY KBASEK & RICH EDDIE. After we went out for breakfast (Rich had spaghetti & meat balls, of course), we went back to Terry's house. A funny thing happened when Terry was showing me some relatively routine VOA varies. First I noticed one from VOA-1296 in England & thought, "not too bad", & then I noticed his QSL from VOA-1575 in Thailand & almost fell out of my chair - Thailand received in Missouri - wow! Only RUDY BROWN with his Lakeside Beverages in Michigan has been able to hear Thailand from a more Easterly spot than St. Louis. I'd also like to thank GENE MARTIN for the great time at his place in Dan-

(Neil Kazanoff, con'd.) ver. Gene has a fascinating scrapbook of radio history and it was indeed a pleasure to meet Gene, who has been one of the best DXers in our hobby for many years. 73's.

## HERE'S WKOT-1010's ON-THE-AIR HOURS

FRANK L. COX - 419 Folk Street - New Orleans, LA - 70124

(Forwarded by LOUISVILLE HQ) Bi there - just a few lines to let you know how things are going here in the Deep South. Reception has been very good throughout September since our typical evening T-showers have halted. I have received v/q's from Trans-World Radio, sent 9/1/81, verified on 9/24. I received station on Aug. 31 0530-0600 GMT - 600 kHz. I heard program "Radio Today". WABC-770 NYC 8/31 0300-0330 GMT. - received v/q on 9/10, sent out on 9/1. WYDE-850 8/24, 0400-0430 GMT, sent out on 8/25, received card on 9/2. I also have very good reception from WSUN-610 (sic) St. Pete Fls. during our local time 7am-10am and from 3-6pm, CDT. I have also received WUNI-1410 Mobile Alas, KCKO-810 Kansas City Mo., also WMAQ Chicago, WGM (77 -ERC) Atlanta GA, all between 100 GMT - 300 GMT. I'm still working at WCKW FM & WKOT AM in Laplace a Garyville LA. I'll list the local times of WKOT AM-1200 5000 daytime. Jan. 1-31 6:30am-5:30pm. Feb. 1-28 6:15am-5:45pm. Mar. 1-31 6am-6:45pm. Apr. 1-30 5:30am-6:30pm; 6:30am-7:30pm\*\*. May 1-31 6:15am-7:45pm; June 1-30 6am-6pm; July 1-31 6:15am-8pm; Aug. 1-31 6:30am-7:45pm; Sept. 1-30 6:45am-7:15pm; Oct. 1-31 7am-6:30pm; 6am-5:30pm \*\*; Nov. 1-30 6:30am-5pm; Dec. 1-31 7am-5pm. \*\*=CDT to CST. \*\*=CST to EST.

Frank! Please: Send your Musings to the Provincetown address.

Use ZLT for times, and A.M. & P.M., not 24-hour clock.

Please double space.

## LONG, LONG AGO

DEN DANGERFIELD - 202 Governor's Drive - Wallingford, PA - 19086 There were no such things as formats in the Thirties. There were the major networks: NBC Red & Blue; CBS, Mutual. That was it. Most of the big shows were on NBC Red and CBS. NBC Blue and Mutual had the rest. (Mutual with mostly music, news and sports). The larger metropolitan areas had one or more independent stations, and most of the part-timers were unaffiliated with any network. These independents played a mix of local live type shows, and records. Records in those days were just popular records - dance music such as Benny Goodman, Ray Noble, Tommy Dorsey, & Bing Crosby. There wasn't any rock yet, and the only c/w mix was the Sons of the Pioneers, unless you happened to live in the South or the West. Most stations, network or independent, had studio bands. One of the most famous was KXW's Top Hatters, led by Jan Savitt. Stations like WIP, Philadelphia, and WNEW, New York, finally broke the sound barrier by featuring almost nothing but pop records, and the local bands began to go out of existence. The big cities also had foreign language stations in the 30's. New York had WOV, WBNX, and WEVD. Philadelphia had WRAX & WTHL. Other cities had foreign language programs on the weekends. Short wave stations were quite common. Every big city had channels shared by several stations, and nationwide higher powered stations had to share: WWVA & WOOW, KOB & KEN, KVCO & WAPI. And many more. I was not a member of the NBC in those days. (I didn't join until 1958). All my information came from RADAR, [Radio Index]. This great publication existed from about 1929 to 1941. It came out monthly, except in the Summer. In Radar you could find all North American stations listed by frequencies, locations, and call letters. The frequency listing also showed power, owner, network, share-time information, and varie info. At irregular intervals, radio stations in all other parts of the world were listed. There were columns on DX achievements, lists of verifications, listings of network programs, and answers to technical questions. And, of course, on each cover was a picture of a pretty girl, star of that time, like Martha Tilton & Helen Ward. Also, I almost forgot to mention, was a list of new stations and changes in facilities. And so went radio listening and DXing way back in the 1930's. My Mothball Memories will continue.

## ON YOUR MARK - GET SET - GO! WEST!

MARK STRICKERT - Box 931 - San Francisco, CA - 94101 10/12/81

Just checking in. How's everybody? Good - 73's. PS - For some reason I have in the last three months logged a pile of new stations, mostly with "K" calls - conditions seem slightly different than near Lake Michigan, hi. Seriously, all serious DXers BEWARE - this is not the place. The Coast is good, and the South Bay & Inland is adequate, but here in Oakland, forget it...That goes for San Francisco too (no room in the box for a receiver, hi). Otherwise, all is relatively well here - enough better than the last ten months in Chicago. I am working three jobs at present (I don't have to, but it keeps me out of trouble, hi.) Not telling what, but a hint: Any FM DXers who hear KPFA-94.1, KPFM-89.3 or KFCF-88.1, send reports via Box 931, S.F. & I'll more than likely be able to get your report verified (if it's good - varie-signers can be picky, hi). More news when there's time. Mad.

AS YOU CAN OBSERVE, WE ARE SADLY IN NEED OF MORE CONTRIBUTIONS TO THIS SECTION. TELL US WHAT YOU ARE HEARING, BY DATE & TIME & FREQUENCY. DOUBLE-SPACING, P.S.?

A COUPLE OF NEW RADIO SHACK RECEIVERS

THOMAS KONNATSER - Route 9 - Box 78 - Sevierville, TN - 37862 10/15/81  
 ----- Hi! Little DX to report here, but I thought I'd put ERC to work typing another Musie anyway! I heard that AU CX would prevail on Oct. 14 #15, but things were a bust here, unless you like to listen to Cubans. On the night of the 14th I did log stations from the U.S., Canada, Mexico, Cuba, & the Netherland Antilles but all were unnn except CMX-Cuba w/R. Moscow relay. Well, GERRY THOMAS beat me to the draw in introducing Radio Shack's answer to the Superadio. It'll be interesting to see how this RX stacks up against the GE. Speaking of GE, it would also be interesting to see if a couple of their other sets I've seen advertised are in the same league. One is their J-5280 radio/recorder. This is the one with the Superadio circuit, supposedly. The other, which I've seen no reference to in the DX press, is the J-2875, known as the Performer. Specs read similar to the Superadio. This rig is somewhat smaller and about \$20 cheaper than the Superadio. If it's in the same league, it looks like it'd make a fine travelling companion. Now to solve an issue posed in Vol. 49 #1. WJZ-TN is on the U. of Tenn. FB net. I've heard reports of people hearing the games on the station, as well as a promo from them just this afternoon. It'll be interesting to see how they do in the next book now that they've gone c/w. I like them better than I do WIVE, but only time will tell how others feel. Between the History of Rock and Roll on WNOX and the BB playoffs & World Series on CBS, little DXing will be done around here until about the first of the month. Now, here's a good job for someone out there, how about contacting the Satellite programming services and publishing an affiliate list in DX NEWS? I've heard several stations carrying the "Nightline America" service but haven't been able to get an ID on any of 'em. Since most of the programming is satellite-originated, there are few breaks with clues as to who the local stations are. Veris collection is slowly building. V/q in today from WSPA-SC. GE added "excellent report" to the card. It was only my third report. Who says rookies can't write good reports? After the BB season, I'll probably be sending quite a few reports. All for now. 73.

TERRY GOT A VERIS FROM THE KJNP-1170 TEST

TERRY KLASER - St. Louis, MO

----- Polycaustic! In other words, heelo all! DX has improved greatly over my fantastic Summer! I heard the KJNP TEST, and already I have their QSL! They are very prompt. I wish to thank KJNP for doing the TEST, & ROBERT KRAMER for arranging it. I have finally heard and verified Alaska! How about a CPC for Hawaii (hint, hint, hi!) Current progress is: States 41/48, Provinces 9/9, countries 23/20, & total stations 342/256. I believe I'll easily hit 500 stations by next June (very easy!) - also tried for the Vermont TEST, but all I heard was Spanish. CX were Aurora that night - drat! So I logged six more Latin! My mailman has brought a steady stream of veris much to his chagrin. Needless to say the Alaska veris made my whole week! Since my last massive 26 more veris have arrived, and 58 new stations were reported to. Also I sent out 34 f/ups! My now all time holdout is WHAM-1180! Why a Class 1-A 50kw station does not answer its mail is something I can't understand! All the other 1-A's have veried, but not WHAM! To all Rochester BCB DXers - HELPF!! I first sent to them in 1977, & six f/ups since, and ZIF! Also you Toronto guys, what is the proper bribe now-a-days to get CHUM-1050 to verify? Three reports to CHUM & ZIF! I really enjoy reading this BCB bulletin mainly because so many guys have a writer's disease - namely Pompous Purple WORDS! I am certainly no exception, hi! Time to try to hear WHAM-1083! C U whenever. TAK.

CARL'S BEEN CLEANING UP ON 1530

CARL DABELSTEIN - 8209 West 78th Street - Overland Park, KS - 66204

----- Good news here was receiving verification #2,100 in the form of v/l from KCTT-1530. Others since last Musie have been v/l's from KGNN-1270 (ex-KUSH), WVOJ-1320, WUCH-860, CJNR-730, & KWOK-1530. PP/c received from KMMK-1530. DX coming my way has been much-wanted KWOB-1150 in Denver w/r. The DJ was some guy trying to sound like Wolfman Jack. 9/11 brought s/on from KWOK-1530 Wagoner, OK @ 7:30. All-new KCTT-1530 Yellville, Ark. heard w/s/on on 9/21 @ 7. On 10/9 I logged yet another call change when I snared KOSC (ex-KEMM-1510) signing on @ 7. There are so many call changes lately, it's almost impossible trying to stay even with those stations you already have in the log. I happened to be doing some work in Baltimore this month and next at the electric company there. I happened to hear a guy on WFBR by the name of Johnny Walker. He's a real mental case, but I was told he has a heck of a following. Well, not too much else, so 73's.

KEN IS OSCILLATING

KEN ROMSTADT telephoned with a problem. It seems his R-390 is giving him fits by oscillating with the MN-1 antenna attached to it. He says it matters not what frequency he tunes to - it happens all across the BCB. He wonders if anyone out there can help him resolve this problem. The same antenna works A-OK on the HQ-180 he just sold to BOB MIELCAREK, he says. Other antennas also work fine on the R-390 - so why won't the MN-1 get along with the R-390? Ken's address is 2561 Schroeder Court - Toledo, OH - 43613.

DATTIME DX IS DELIGHTFUL

BRIAN BURSACK - 2704 Hibbert Avenue - Columbus, OH - 43202

----- Not a lot of time for DXing lately, but I have managed to log quite a few new stations. On 10/12 I was DXing with the Superadio up in the attic and heard the following: W/less: WBNR-1460 nullled I got a WOLY-1430 ID in good w/Moll around 1:59pm. At 2:03pm I was listening to WTOP-1390. They were in OK w/1-60 as a WTOP-FM ID. A female announcer who didn't sound very professional, so I guess they are still on strike up there in Bellefontaine, since they are still simulcasting their AM & FM facilities. I hope the strikers win. On 10/13 I was up at 8:30 in the morning on the DX-160 when I heard WCBL-1290 ID w/"CBT Country Music" & mention of Kentucky Network News. This was u/WBNR-1390 during their local MX. That afternoon I was using the Superadio again to pick up all sorts of Ohio daytimers that I haven't bothered to try for. At 1:51pm I heard a WHEE-1490 ID & a promo for a Halloween give-away contest, then into hell mx. This was amid heavy interference. At 1:53pm I heard a WGJC-1500 ID, then they went into hell mx. At 1:55 rx mx was coming in OK on 1510, Ided by an ad for Carter Systems (a Carter company) w/mention of Lancaster, OR. Then a PSA for a local program called "Conservation Corner" w/mention of WLGN-1510 and finally a WLGN ID @ 2pm w/mention of 95.3 FM, then into local MX (actually international NY read by a local announcer). At 2:04 I caught a WINW-1520 ID w/OLDies format. Their signal was unstable & weak. These were all new stations for me; four new ones in 15 minutes! Just shows I haven't covered the daytimers well enough in too long. But it was good to hear them anyhow. I hope to break down my totals by frequency and so find out where my best bets for new ones will be. I also have to count the stations I've heard, since I've lost count now. I hope to have some of this info in my next Musie. Until then, may the DX keep rolling in!

NON-VERIFYING EXCERPT

EARL R. COOPER - 3 Anthony Street - Falmouth, MA - 02547 617-487-9337

----- Don't forget - my "silent periods" are 9pm-1am & 3-8:30am! We who verify have all been disappointed at times by stations which do not reply to our good reports. Have you ever sent a letter to a DXer and not received an answer? That can be equally disappointing. It looks like we'll be sending out quite a few f/ups here, both to AM & FM stations which failed us. One v/l arrived this week, from a previous toughie, WGNL-1010, which pushes its 250 watts thru WINN from time to time in late afternoon. The count is up to 4,206. The 10 dial continues Aurora here, getting more so as AM 10/19 arrived on the scene. DAVE SCHNIDT called up Monday 10/12 with some new f/u's, & I tried for a couple of 'em, like WHAA-1330, unnn, but I'd like a better veris than my present v/r, very high TT was heard, but no IDs. A probable WBNR-1240 r/c also 12/12-12:20 off, steady tone, no announcements noted. A possible r/c from WPEX-1490 was heard for 45 seconds of tone @ 1:30, again, no ID heard & no report possible. We also wish to thank GEORGE CHERRY, AL QUAGLIARO, KEN ROMSTADT, PAUL MOUNT, & RAY ARRUDA for their calls, and George for his very enjoyable visit on 10/13-14! Thu. 10/15- Someone Tting on 1240 1:30-1:40, unid. WJNO-1230 was on top @ 2:25, plugging their coverage of Innas MM, on a local talk show which I think is carried by the Florida Network. Fri. 10/16- UNID TTer holding forth on 1380 u/CJB's sternal TT 1:23-1:34, probably WJIK as this 'un was heard the next AM 10/16 & 10/17. Thru the usual KYW/WGTR/CJB trio came an HJ 1:40-1:50 w/off, unid. Unn WBNR-1260 "H. Hill" in Miami was way on top this AM- hi, DAVE GLEASON! A new program "America Overnight" was noted on WGAR-1220 & WKBN-1250, 'tis another talk show. AM 10/18- There's an 'un on about 1371 kHz which threatened to get loud enough for an ID, but didn't quite, noted 1:05-1:35 w/off. WCAU-1210 a WTOP-1440 w/off. WJNC again was strong on 1230, along w/an 'un, unid. AM 10/19, heavy rain & strong wind & giant AU: WHTF-1260 again @ 12:45am. Goss were noted on 1380, 1350, 1340 (finally IDed as WJFK "Madame President"). Barranquilla, was in/out with unnn WNOB's MYL fare all AM. On 1240, ZNS-2 was on top, not the WHEEL that DAVE was hearing down in Delaware, unfortunately. Also unnn WCOU-MM, I believe the 1230 MYL-type in/out w/WJNO was old friend ZNS-1, RAY ARRUDA called about this. He called again in the early evening w/a tip that needed WLDN-1570 was coming through, & so he was here, monitor knobs, RAY - I also got a tip on toughie WGNL-11 for my fourth try at a veris. And now the Garage Seats till next week.

